



Correlation to North Carolina Standard Course of Study

Grade K Mathematics Curriculum

Major Concepts/Skills

- Number sense 0–30
- Calendar time
- Recognize basic shapes
- Create and extend patterns
- Sort and classify

Competency Goal 1

The learner will recognize, model, and write whole numbers through 30.

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>1.01 Develop number sense for whole numbers through 30.</p> <p>a) Connect model, number word (orally), and number using a variety of representations.</p> <p>b) Count objects in a set.</p> <p>c) Read and write numerals.</p> <p>d) Compare and order sets and numbers.</p> <p>e) Use ordinals (1st–10th).</p> <p>f) Estimate quantities fewer than or equal to 10.</p> <p>g) Recognize equivalence in sets and numbers 1–10.</p>	<p>Lesson 2-1, pp. 27A–27B, 27–28, Ex. 1–5; Lesson 3-1, pp. 53A–53B, 53–54; Lesson 3-2, pp. 55A–55B, 55–56, Ex. 1–8; Lesson 3-3, pp. 57A–57B, 57–58, Ex. 1–5; Lesson 3-4, pp. 59A–59B, 59–60, Ex. 1–7; Lesson 3-5, pp. 61A–61B, 61–62, Ex. 1–11; Lesson 3-6, pp. 63A–63B, 63–64, Ex. 1–7; Lesson 3-7, pp. 65A–65B, 65–66; Lesson 3-8, pp. 67A–67B, 67–68; Lesson 3-9, pp. 69A–69B, 69–70, Ex. 1–7; Lesson 3-10, pp. 71A–71B, 71–72; Lesson 4-1, pp. 77A–77B, 77–78, Ex. 1–8; Lesson 4-2, pp. 79A–79B, 79–80, Ex. 1–7; Lesson 4-3, pp. 81A–81B, 81–82, Ex. 1–8; Lesson 4-4, pp. 83A–83B, 83–84, Ex. 1–4; Lesson 4-5, pp. 85A–85B, 85–86, Ex. 1–7; Lesson 4-6, pp. 87A–87B, 87–88, Ex. 1–6; Lesson 4-7, pp. 89A–89B, 89–90, Ex. 1–6; Lesson 4-8, pp. 91A–91B, 91–92, Ex. 1–4; Lesson 4-9, pp. 93A–93B, 93–94, Ex. 1–6; Lesson 4-11, pp. 97A–97B, 97–98; Lesson 5-1, pp. 103A–103B, 103–104, Ex. 1–4; Lesson 5-2, pp. 105A–105B, 105–106, Ex. 1–6; Lesson 5-3, pp. 107A–107B, 107–108, Ex. 1–8; Lesson 5-4, pp. 109A–109B, 109–110, Ex. 1–6; Lesson 5-5, pp. 111A–111B, 111–112, Ex. 1–8; Lesson 5-7, pp. 115A–115B, 115–116, Ex. 1–4; Lesson 5-8, pp. 117A–117B, 117–118, Ex. 1–12; Lesson 5-9, pp. 119A–119B, 119–120, Ex. 1–6; Lesson 5-10, pp. 121A–121B, 121–122, Ex. 1–6; Lesson 5-11, pp. 123A–123B, 123–124; Lesson 5-13, pp. 127A–127B, 127–128; Lesson 8-12, pp. 219A–219B, 219, Ex. 1; Lesson 9-1, pp. 225A–225B, 225–226, Ex. 1–7; Lesson 9-2, pp. 227A–227B, 227–228, Ex. 1–8; Lesson 9-3, pp. 229A–229B, 229–230, Ex. 1–8; Lesson 9-4, pp. 231A–231B, 231–232, Ex. 1–7; Lesson 9-5, pp. 233A–233B, 233–234; Lesson 9-6, pp. 235A–235B, 235–236, Ex. 1–8; Lesson 9-7, pp. 237A–237B, 237–238, Ex. 1–8; Lesson 9-8, pp. 239A–239B, 239–240</p> <p>Chapter 2: Investigation, p. 25I</p> <p>Chapter 3: Investigation, pp. 51I–51J</p> <p>Chapter 4: Investigation, pp. 75I–75J</p> <p>Chapter 5: Investigation, pp. 101I–101J</p>	<p>Chapter Test, pp. 73–74, Ex. 1–7; Chapter Test, pp. 99–100, Ex. 1–4; Chapter Test, pp. 129–130, Ex. 1–6; Lesson 6-4, pp. 139A–139B, 139–140, Ex. 1–10; Lesson 6-5, pp. 141A–141B, 141–142, Ex. 1–8; Lesson 6-6, pp. 143A–143B, 143–144, Ex. 1–6; Lesson 6-8, pp. 147A–147B, 147–148, Ex. 1–8; Lesson 6-10, pp. 151A–151B, 151–152, Ex. 1–8; Chapter Test, pp. 157–158, Ex. 4, 6; Lesson 7-4, pp. 167A–167B, 167–168; Lesson 7-5, p. 170, Ex. 4–6; Lesson 7-7, pp. 173A–173B, 173–174, Ex. 1–12; Lesson 7-8, pp. 175A–175B, 175–176, Ex. 1–7; Lesson 7-10, pp. 179A–179B, 179–180, Ex. 1–10; Lesson 7-11, pp. 181A–181B, 181–182, Ex. 1–10; Lesson 7-12, pp. 183A–183B, 183–184, Ex. 1–12; Chapter Test, pp. 193–194, Ex. 1–2, 4; Lesson 8-7, pp. 209A–209B, 209–210, Ex. 1–7; Lesson 8-10, p. 216, Ex. 2–7; Lesson 8-11, pp. 217A–217B, 217–218, Ex. 1–5; Lesson 8-12, pp. 219A–219B, 219–220, Ex. 1–2; Chapter Test, pp. 241–242, Ex. 1–7</p>



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Competency Goal 1 (continued)

Objectives	Instruction and Practice	Additional Practice and Assessment
1.02 Share equally (divide) between two people; explain.	Lesson 8-9, pp. 213A–213B, 213–214, Ex. 1–5; Lesson 8-10, pp. 215A–215B, 215–216, Ex. 1–7; Lesson 8-11, pp. 217A–217B, 217–218, Ex. 1–5; Lesson 8-12, pp. 219A–219B, 219–220, Ex. 1–2	Chapter Test, p. 222, Ex. 7
1.03 Solve problems and share solutions to problems in small groups.	Lesson 9-6, pp. 235A–235B, 235–236, Ex. 1–8; Lesson 9-7, pp. 237A–237B, 237–238, Ex. 1–8; Lesson 9-8, pp. 239A–239B, 239–240	Chapter Test, p. 242, Ex. 4–7

Competency Goal 2

The learner will explore concepts of measurement.

Objectives	Instruction and Practice	Additional Practice and Assessment
2.01 Compare attributes of two objects using appropriate vocabulary (color, weight, height, width, length, texture).	Lesson 6-1, pp. 133A–133B, 133–134, Ex. 1–8; Lesson 6-2, pp. 135A–135B, 135–136, Ex. 1–8; Lesson 6-9, pp. 149A–149B, 149–150, Ex. 1–10; Lesson 6-12, pp. 155A–155B, 155–156 Chapter 6: Investigation, pp. 1311–131J	Chapter Test, pp. 157–158, Ex. 1–3, 5–6
2.02 Recognize concepts of calendar time using appropriate vocabulary (days of the week, months of the year, seasons).	Lesson 5-11, pp. 123A–123B, 123–124; Lesson 7-1, pp. 161A–161B, 161–162; Lesson 7-2, pp. 163A–163B, 163–164; Lesson 7-3, pp. 165A–165B, 165–166, Ex. 1–4; Lesson 7-4, pp. 167A–167B, 167–168 Chapter 7: Investigation, p. 159I	Chapter Test, pp. 193–194, Ex. 1, 6

Competency Goal 3

The learner will explore concepts of geometry.

Objectives	Instruction and Practice	Additional Practice and Assessment
3.01 Identify, build, draw, and name triangles, rectangles, and circles; identify, build, and name spheres and cubes.	Lesson 8-1, pp. 197A–197B, 197–198, Ex. 1–6; Lesson 8-4, pp. 203A–203B, 203–204, Ex. 1–5; Lesson 8-5, pp. 205A–205B, 205–206, Ex. 1–5; Lesson 8-12, pp. 219A–219B, 219, Ex. 1	Lesson 8-6, pp. 207A–207B, 207–208, Ex. 1–6; Lesson 8-7, pp. 209A–209B, 209–210, Ex. 1–7; Chapter Test, pp. 221–222, Ex. 1–4
3.02 Compare geometric shapes (identify likenesses and differences).	Lesson 8-2, pp. 199A–199B, 199–200, Ex. 1–4	



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Competency Goal 3 (continued)

Objectives	Instruction and Practice	Additional Practice and Assessment
3.03 Model and use directional and positional vocabulary.	Lesson 1-1, pp. 3A–3B, 1–2; Lesson 1-2, pp. 5A–5B, 5–6; Lesson 1-3, pp. 7A–7B, 7–8; Lesson 1-4, pp. 9A–9B, 9–10; Lesson 1-10, pp. 21A–21B, 21	Chapter Test, p. 23, Ex. 1
3.04 Complete simple spatial visualization tasks and puzzles.	Lesson 8-3, pp. 201A–201B, 201–202, Ex. 1–8; Lesson 8-7, pp. 209A–209B, 209–210, Ex. 1–7	Chapter Test, p. 222, Ex. 4

Competency Goal 4

The learner will collect, organize and display data.

Objectives	Instruction and Practice	Additional Practice and Assessment
4.01 Collect and organize data as a group activity.	Lesson 2-3, pp. 31A–31B, 31–32; Lesson 2-4, pp. 33A–33B, 33–34; Lesson 3-1, pp. 53–54; Lesson 3-8, pp. 67A–67B, 67–68; Lesson 9-5, pp. 233A–233B, 233–234	Chapter Test, p. 49, Ex. 1–2; Chapter Test, pp. 73–74, Ex. 1, 6; Chapter Test, p. 241, Ex. 3
4.02 Display and describe data with concrete and pictorial graphs as a group activity.	Lesson 2-2, pp. 29A–29B, 29–30; Lesson 2-3, pp. 31A–31B, 31–32; Lesson 2-4, pp. 33A–33B, 33–34; Lesson 2-11, pp. 47A–47B, 47, Ex. 1–2; Lesson 3-1, pp. 53A–53B, 53–54; Lesson 3-8, pp. 67A–67B, 67–68	Chapter Test, p. 49, Ex. 1–2; Chapter Test, pp. 73–74, Ex. 1, 6

Competency Goal 5

The learner will model simple patterns and sort objects.

Objectives	Instruction and Practice	Additional Practice and Assessment
5.01 Sort and classify objects by one attribute.	Lesson 1-5, pp. 11A–11B, 11–12, Ex. 1–8; Lesson 1-6, pp. 13A–13B, 13–14, Ex. 1–5; Lesson 1-7, pp. 15A–15B, 15–16, Ex. 1–4; Lesson 1-9, pp. 19A–19B, 19–20, Ex. 1–6; Lesson 1-10, pp. 21A–21B, 22; Lesson 3-10, pp. 71A–71B, 71–72; Lesson 5-13, pp. 127A–127B, 127; Lesson 8-12, pp. 219A–219B, 219, Ex. 1; Lesson 9-5, pp. 233A–233B, 233–234 Chapter 1: Investigation, p. 11	Chapter Test, p. 24, Ex. 2–6; Chapter Test, p. 241, Ex. 3
5.02 Create and extend patterns with actions, words, and objects.	Lesson 2-5, pp. 35A–35B, 35–36, Ex. 1–8; Lesson 2-6, pp. 37A–37B, 37–38, Ex. 1–8; Lesson 2-7, pp. 39A–39B, 39–40, Ex. 1–8; Lesson 2-8, pp. 41A–41B, 41–42, Ex. 1–4; Lesson 2-10, pp. 45A–45B, 45–46, Ex. 1–6; Lesson 4-10, pp. 95A–95B, 95–96, Ex. 1–6	Chapter Test, p. 50, Ex. 3–6; Chapter Test, p. 100, Ex. 5



Correlation to North Carolina Standard Course of Study

Grade 1 Mathematics Curriculum

Major Concepts/Skills

- Number sense 0–99
- Single digit addition and subtraction
- Time
- Non-standard measurement
- Collect and display data
- Create and extend patterns

Concepts/Skills to Maintain

- Basic geometric shapes
- Sort and classify

Competency Goal 1

The learner will read, write, and model whole numbers through 99 and compute with whole numbers.

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>1.01 Develop number sense for whole numbers through 99.</p> <p>a) Connect the model, number word, and number using a variety of representations.</p> <p>b) Use efficient strategies to count the number of objects in a set.</p> <p>c) Read and write numbers.</p> <p>d) Compare and order sets and numbers.</p> <p>e) Build understanding of place value (ones, tens).</p> <p>f) Estimate quantities fewer than or equal to 100.</p> <p>g) Recognize equivalence in sets and numbers 1–99.</p>	<p>Lesson 1-11, pp. 29A–29B, 29–30, Ex. 1–12; Lesson 1-12, pp. 31A–31B, 31–32, Ex. 1–10; Lesson 6-2, p. 208, Ex. 14–15; Lesson 7-1, pp. 241A–241B, 241–242, Ex. 1–10; Lesson 7-2, pp. 243–244, Ex. 1–6; Lesson 7-3, pp. 245A–245B, 245–246, Ex. 1–8; Lesson 7-5, pp. 249A–249B, 249–250, Ex. 1–5; Lesson 7-10, pp. 263A–263B, 263–264, Ex. 1–10; Lesson 8-1, pp. 281A–281B, 281–282, Ex. 1–12; Lesson 8-2, pp. 283A–283B, 283–284, Ex. 1–7; Lesson 8-3, pp. 285A–285B, 285–286, Ex. 1–8; Lesson 8-4, pp. 287A–287B, 287–288, Ex. 1–6; Lesson 8-6, pp. 295A–295B, 295–296, Ex. 1–11; Lesson 8-7, pp. 297A–297B, 297–298, Ex. 1–17; Lesson 8-8, pp. 299A–299B, 299–300, Ex. 1–6; Lesson 8-9, pp. 301A–301B, 301–302, Ex. 1–17; Lesson 8-17, pp. 319A–319B, 319–320, Ex. 1–3, 5; Enrichment, p. 323, 1–7; Lesson 9-10, p. 354, Ex. 5–7</p> <p>Chapter 7: Investigation, pp. 239I–239J Chapter 8: Investigation, p. 279I</p>	<p>Readiness, pp. R1–R2, Ex. 1–6; Chapter Story, pp. 1B–1F; Home–School Connection, Math Words, p. 1; Practice Game, p. 2; Diagnostic Checkpoint, p. 35, Ex. 5–7; Cumulative Review and Test Prep, p. 36, Ex. 2–3; Learning with Technology, p. 38, Ex. 1–10; Test Talk, p. 39, Ex. 1–2; Chapter Test, p. 42, Ex. 12–13, 15; Cumulative Review and Test Prep, p. 82, Ex. 2; Cumulative Review and Test Prep, p. 88A, Ex. 1; Chapter Story, pp. 3B–3F; Cumulative Review and Test Prep, p. 102, Ex. 3; Think About It, p. 107; Cumulative Review and Test Prep, p. 154B, Ex. 8; Diagnostic Checkpoint, p. 195, Ex. 3–4; Discovery Channel, p. 200, Ex. 1–3; Diagnostic Checkpoint, p. 253, Ex. 1–2, 4–7; Cumulative Review and Test Prep, p. 272, Ex. 2–3; Discovery Channel, p. 276, Ex. 1–3; Chapter Test, pp. 277–278, Ex. 1–6, 12–13; Chapter Story, pp. 8B–8F; Reading for Math Success, pp. 289–290, Ex. 1–7; Diagnostic Checkpoint, p. 293, Ex. 1–5; Cumulative Review and Test Prep, p. 294, Ex. 1–3; Diagnostic Checkpoint, p. 305, Ex. 1–5; Cumulative Review and Test Prep, p. 306, Ex. 5; Cumulative Review and Test Prep, p. 322, Ex. 2, 4–5; Test Talk, p. 325, Ex. 1–2; Discovery Channel, p. 326, Ex. 1–2; Chapter Test, pp. 327–328, Ex. 1–8; Cumulative Review and Test Prep, pp. 328A–328B, Ex. 1–2, 4–5; Cumulative Review and Test Prep, p. 342, Ex. 2, 5; Discovery Channel, p. 360, Ex. 1–3; Cumulative Review and Test Prep, p. 408, Ex. 4–5</p>
<p>1.02 Use groupings of 2’s, 5’s, and 10’s with models and pictures to count collections of objects.</p>	<p>Lesson 7-2, pp. 243A–243B, 243–244, Ex. 1–5; Lesson 7-4, pp. 247A–247B, 247–248, Ex. 1–6; Lesson 7-6, pp. 251A–251B, 251–252, Ex. 1–9; Lesson 7-8, pp. 257A–257B, 257–258, Ex. 1–5; Lesson 7-13, p. 269, Ex. 1; Lesson 8-4, pp. 287A–287B, 287–288, Ex. 1–6; Lesson 8-5, pp. 291A–291B, 291–292, Ex. 1–7; Lesson 8-6, pp. 295A–295B, 295–296, Ex. 1–10; Lesson 8-7, pp. 297–298, Ex. 1–4, 17; Lesson 8-10, pp. 303A–303B, 303–304, Ex. 1–5; Enrichment, p. 451, Ex. 1–4</p>	<p>Diagnostic Checkpoint, p. 253, Ex. 3; Diagnostic Checkpoint, p. 271, Ex. 2; Cumulative Review and Test Prep, p. 280, Ex. 2–3; Chapter Test, pp. 277–278, Ex. 3, 7, 9; Diagnostic Checkpoint, p. 293, Ex. 5–6; Diagnostic Checkpoint, p. 305, Ex. 2, 6; Discovery Channel, p. 326, Ex. 1; Chapter Test, p. 327, Ex. 7; Cumulative Review and Test Prep, p. 328A, Ex. 3; Cumulative Review and Test Prep, p. 342, Ex. 4; Cumulative Review and Test Prep, p. 486, Ex. 1</p>



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Grade 1 Mathematics Curriculum

Competency Goal 1 (continued)

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>1.03 Develop fluency with single digit addition and corresponding differences using strategies such as modeling, composing and decomposing quantities, using doubles, and making tens.</p>	<p>Lesson 1-4, pp. 11A–11B, 11–12, Ex. 1–9; Lesson 1-5, pp. 13A–13B, 13–14, Ex. 1–9; Lesson 1-6, pp. 15–16, Ex. 1–11; Lesson 1-7, pp. 17A–17B, 17–18, Ex. 1–9; Lesson 1-8, pp. 21A–21B, 21–22, Ex. 1–10; Lesson 1-9, pp. 25A–25B, 25–26, Ex. 1–15; Lesson 1-10, pp. 27A–27B, 27–28, Ex. 1–9; Lesson 1-13, pp. 33–34, Ex. 3, 6, 8; Lesson 2-1, pp. 45A–45B, 45–46, Ex. 1–5; Lesson 2-2, pp. 47A–47B, 47–48, Ex. 1–10; Lesson 2-3, pp. 49A–49B, 49–50, Ex. 1–11; Lesson 2-4, pp. 51A–51B, 51–52, Ex. 1–10; Lesson 2-5, pp. 53A–53B, 53–54, Ex. 1–10; Lesson 2-6, pp. 57–58, Ex. 1–5; Lesson 2-7, pp. 61–62, Ex. 1–4; Lesson 2-8, pp. 63A–63B, 63–64, Ex. 1–11; Lesson 2-9, pp. 65A–65B, 65–66, Ex. 1–8; Lesson 2-10, pp. 67A–67B, 67–68, Ex. 1–15; Lesson 2-11, pp. 69A–69B, 69–70, Ex. 1–11; Lesson 2-13, pp. 75–76, Ex. 1–7; Lesson 2-15, pp. 79–80, Ex. 1–6; Enrichment, p. 83. Ex. 1–4; Lesson 3-1, pp. 91A–91B, 91–92, Ex. 1–13; Lesson 3-2, pp. 93–94, Ex. 1–11; Lesson 3-3, pp. 95A–95B, 95–96, Ex. 1–11; Lesson 3-4, pp. 97A–97B, 97–98, Ex. 1–8; Lesson 3-5, pp. 99–100, Ex. 1–6; Lesson 3-6, pp. 103A–103B, 103–104, Ex. 1–11; Lesson 3-7, pp. 105A–105B, 105–106, Ex. 1–8; Lesson 3-8, pp. 107A–107B, 107–108, Ex. 1–11; Lesson 3-9, pp. 111–112, Ex. 1–5; Lesson 3-10, pp. 113A–113B, 113–114, Ex. 1–7; Enrichment, p. 117, Ex. 1–5; Lesson 4-1, pp. 125A–125B, 125–126, Ex. 1–9; Lesson 4-2, pp. 127A–127B, 127–128, Ex. 1–12; Lesson 4-3, pp. 129A–129B, 129–130, Ex. 1–10; Lesson 4-5, pp. 137A–137B, 137–138, Ex. 1–9; Lesson 4-6, pp. 139A–139B, 139–140, Ex. 1–7; Lesson 4-7, pp. 141A–141B, 141–142, Ex. 1–12; Lesson 4-9, pp. 145–146, Ex. 1–6; Enrichment, p. 149, Ex. 1–5; Lesson 11-1, pp. 417A–417B, 417–418, Ex. 1–9; Lesson 11-2, pp. 419A–419B, 419–420, Ex. 1–8; Lesson 11-3, pp. 421A–421B, 421–422, Ex. 1–9; Lesson 11-4, pp. 423A–423B, 423–424, Ex. 1–9; Lesson 11-5, pp. 425A–425B, 425–426, Ex. 1–10; Lesson 11-6, pp. 427A–427B, 427–428, Ex. 1–7; Lesson 11-8, pp. 435A–435B, 435–436, Ex. 1–11; Lesson 11-9, pp. 437–438, Ex. 1–5; Lesson 11-10, pp. 439A–439B, 439–440, Ex. 1–13; Lesson 11-11, pp. 441A–441B, 441–442, Ex. 1–14; Lesson 11-12, pp. 443A–443B, 443–444, Ex. 1–11</p> <p>Chapter 2: Investigation, pp. 43I–43J</p> <p>Chapter 3: Investigation, pp. 89I–89J</p> <p>Chapter 4: Investigation, pp. 123I–123J</p> <p>Chapter 11: Investigation, pp. 415I–415J</p>	<p>Diagnostic Checkpoint, p. 23, Ex. 1–8; Cumulative Review and Test Prep, p. 24, Ex. 2–4; Diagnostic Checkpoint, p. 35, Ex. 1–4; Cumulative Review and Test Prep, p. 36, Ex. 4–5; Chapter Test, pp. 41–42, Ex. 4–11, 14; Reading for Math Success, pp. 55–56, Ex. 5, 10; Diagnostic Checkpoint, p. 59, Ex. 1–6; Cumulative Review and Test Prep, p. 60, Ex. 1–5; Diagnostic Checkpoint, p. 73, Ex. 1–6; Cumulative Review and Test Prep, p. 74, Ex. 2–4; Diagnostic Checkpoint, p. 81, Ex. 1–2; Cumulative Review and Test Prep, p. 82, Ex. 1, 4; Discovery Channel, p. 86, Ex. 1–4; Chapter Test, pp. 87–88, Ex. 1–9, 11; Cumulative Review and Test Prep, pp. 88A–88B, Ex. 2–5, 8; Practice Game, p. 90; Diagnostic Checkpoint, p. 101, Ex. 1–5; Cumulative Review and Test Prep, p. 102, Ex. 1–2, 4–5; Diagnostic Checkpoint, p. 115, Ex. 1–6; Cumulative Review and Test Prep, p. 116, Ex. 1–5; Test Talk, p. 119, Ex. 1–2; Discovery Channel, p. 120, Ex. 1–3; Chapter Test, pp. 121–122, Ex. 1–10; Chapter Story, pp. 4B–4F; Practice Game, p. 124; Diagnostic Checkpoint, p. 135, Ex. 1–5; Cumulative Review and Test Prep, p. 136, Ex. 1–4; Diagnostic Checkpoint, p. 147, Ex. 1–2, 4–5; Cumulative Review and Test Prep, p. 148, Ex. 1–4; Test Talk, p. 151, Ex. 1–2; Chapter Test, pp. 153–154, Ex. 1–9; Cumulative Review and Test Prep, pp. 154A–154B, Ex. 1–4, 7; Cumulative Review and Test Prep, p. 164, Ex. 1–4; Cumulative Review and Test Prep, p. 180, Ex. 1–2; Cumulative Review and Test Prep, p. 196, Ex. 1–3; Cumulative Review and Test Prep, p. 238B, Ex. 7; Cumulative Review and Test Prep, p. 294, Ex. 5; Cumulative Review and Test Prep, p. 306, Ex. 1–2; Cumulative Review and Test Prep, pp. 328A–328B, Ex. 7; Cumulative Review and Test Prep, p. 342, Ex. 1, 3; Cumulative Review and Test Prep, p. 414A, Ex. 1; Practice Game, p. 416; Diagnostic Checkpoint, p. 433, Ex. 1–3; Diagnostic Checkpoint, p. 449, Ex. 1–4; Cumulative Review and Test Prep, p. 450, Ex. 1–3; Learning with Technology, p. 452, Ex. 1–4; Test Talk, p. 453, Ex. 1–2; Chapter Test, pp. 455–456, Ex. 1–7; Cumulative Review and Test Prep, p. 470, Ex. 3–4; Cumulative Review and Test Prep, p. 486, Ex. 2; Cumulative Review and Test Prep, pp. 492A–492B, Ex. 5, 8, 10</p>



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Competency Goal 1 (continued)

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>1.04 Create, model, and solve problems that use addition, subtraction, and fair shares (between two or three).</p>	<p>Lesson 1-4, pp. 11A–11B, 11–12, Ex. 1–9; Lesson 1-5, pp. 13A–13B, 13–14, Ex. 1–9; Lesson 1-6, pp. 15A–15B, 15–16, Ex. 1–11; Lesson 1-7, pp. 17–18, Ex. 1–9; Lesson 1-8, pp. 21A–21B, 21–22, Ex. 1–10; Lesson 1-9, pp. 25A–25B, 25–26, Ex. 1–15; Lesson 1-10, pp. 27A–27B, 27–28, Ex. 1–9; Lesson 1-13, pp. 33–34, Ex. 3, 6, 8; Lesson 2-1, pp. 45–46, Ex. 1–5; Lesson 2-2, pp. 47A–47B, 47–48, Ex. 1–10; Lesson 2-3, pp. 49A–49B, 49–50, Ex. 1–11; Lesson 2-4, pp. 51A–51B, 51–52, Ex. 1–10; Lesson 2-5, pp. 53A–53B, 53–54, Ex. 1–10; Lesson 2-6, pp. 57–58, Ex. 1–5; Lesson 2-7, pp. 61–62, Ex. 1–4; Lesson 2-8, pp. 63A–63B, 63–64, Ex. 1–11; Lesson 2-9, pp. 65A–65B, 65–66, Ex. 1–8; Lesson 2-10, pp. 67A–67B, 67–68, Ex. 1–15; Lesson 2-11, pp. 69A–69B, 69–70, Ex. 1–11; Lesson 2-13, pp. 75–76, Ex. 1–7; Lesson 2-15, pp. 79–80, Ex. 1–6; Enrichment, p. 83, Ex. 1–4; Lesson 3-1, pp. 91–92, Ex. 1–13; Lesson 3-2, pp. 93A–93B, 93–94, Ex. 1–11; Lesson 3-3, pp. 95A–95B, 95–96, Ex. 1–11; Lesson 3-4, pp. 97–98, Ex. 1–8; Lesson 3-5, pp. 99–100, Ex. 1–6; Lesson 3-6, pp. 103A–103B, 103–104, Ex. 1–11; Lesson 3-6, pp. 105–106, Ex. 1–8; Lesson 3-8, pp. 107A–107B, 107–108, Ex. 1–11; Lesson 3-9, pp. 111–112, Ex. 1–5; Lesson 3-10, pp. 113–114, Ex. 1–7; Enrichment, p. 117, Ex. 1–5; Lesson 4-1, pp. 125A–125B, 125–126, Ex. 1–9; Lesson 4-2, pp. 127A–127B, 127–128, Ex. 1–12; Lesson 4-3, pp. 129A–129B, 129–130, Ex. 1–10; Lesson 4-5, pp. 137A–137B, 137–138, Ex. 1–9; Lesson 4-6, pp. 139–140, Ex. 1–7; Lesson 4-7, pp. 141A–141B, 141–142, Ex. 1–13; Lesson 4-9, pp. 145–146, Ex. 1–6; Enrichment, p. 117, Ex. 1–5; Lesson 5-10, pp. 181A–181B, 181–182, Ex. 1–12; Lesson 5-11, pp. 183A–183B, 183–184, Ex. 1–2, 4–13; Lesson 5-12, pp. 185–186, Ex. 1–2, 5, 7, 10; Lesson 5-15, pp. 191–192, Ex. 1–5; Lesson 5-16, p. 194, Ex. 7</p> <p>Chapter 3: Investigation, pp. 89I–89J</p> <p>Chapter 4: Investigation, pp. 123I–123J</p>	<p>Reading for Math Success, pp. 19–20, Ex. 1–8; Diagnostic Checkpoint, p. 23, Ex. 1–8; Cumulative Review and Test Prep, p. 24, Ex. 2–4; Home–School Connection, p. 43; Reading for Math Success, pp. 55–56, Ex. 5, 10; Diagnostic Checkpoint, p. 59, Ex. 1–6; Cumulative Review and Test Prep, p. 60, Ex. 1–5; Diagnostic Checkpoint, p. 73, Ex. 1–6; Cumulative Review and Test Prep, p. 74, Ex. 2–4; Diagnostic Checkpoint, p. 81, Ex. 1–2; Cumulative Review and Test Prep, p. 82, Ex. 1, 4; Learning with Technology, p. 84, Ex. 1–8; Chapter Test, pp. 87–88, Ex. 1–9, 11; Cumulative Review and Test Prep, pp. 88A–88B, Ex. 3, 9; Diagnostic Checkpoint, p. 101, Ex. 1–5; Cumulative Review and Test Prep, p. 102, Ex. 1–2, 4–5; Reading for Math Success, pp. 109–110, Ex. 3, 6, 9; Diagnostic Checkpoint, p. 115, Ex. 1–6; Cumulative Review and Test Prep, p. 116, Ex. 1–5; Learning with Technology, p. 118, Ex. 1–7; Test Talk, p. 119, Ex. 1–2; Chapter Test, pp. 121–122, Ex. 1–10; Chapter Story, pp. 4B–4F; Diagnostic Checkpoint, p. 135, Ex. 1–5; Cumulative Review and Test Prep, p. 136, Ex. 1–4; Diagnostic Checkpoint, p. 147, Ex. 1–2, 4–5; Cumulative Review and Test Prep, p. 148, Ex. 1–4; Learning with Technology, p. 150, Ex. 1–8; Test Talk, p. 151, Ex. 1–2; Discovery Channel, p. 152, Ex. 1–3; Chapter Test, pp. 153–154, Ex. 1–9; Cumulative Review and Test Prep, pp. 154A–154B, Ex. 1, 3, 6–7; Cumulative Review and Test Prep, p. 164, Ex. 1–4; Diagnostic Checkpoint, p. 195, Ex. 1–2, 5; Cumulative Review and Test Prep, p. 196, Ex. 1–3; Test Talk, p. 199, Ex. 1; Cumulative Review and Test Prep, p. 218, Ex. 1, 3–4; Cumulative Review and Test Prep, p. 232, Ex. 1, 3; Cumulative Review and Test Prep, p. 238B, Ex. 6; Cumulative Review and Test Prep, p. 294, Ex. 4–5; Cumulative Review and Test Prep, p. 306, Ex. 1–2; Cumulative Review and Test Prep, p. 328B, Ex. 6; Cumulative Review and Test Prep, p. 342, Ex. 1, 3; Cumulative Review and Test Prep, p. 414A, Ex. 1; Cumulative Review and Test Prep, p. 450, Ex. 1–3; Cumulative Review and Test Prep, p. 470, Ex. 3–4</p>



Correlation to North Carolina Standard Course of Study

Grade 1 Mathematics Curriculum

Competency Goal 2

The learner will use non-standard units of measure and tell time.

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>2.01 For given objects:</p> <p>a) Select an attribute (length, capacity, mass) to measure (use non-standard units).</p> <p>b) Develop strategies to estimate size.</p> <p>c) Compare, using appropriate language, with respect to the attribute selected.</p>	<p>Lesson 10-1, pp. 365A–365B, 365–366, Ex. 1–8; Lesson 10-2, pp. 369A–369B, 369–370, Ex. 1–5; Lesson 10-3, pp. 371A–371B, 371–372, Ex. 1–7; Lesson 10-4, pp. 373A–373B, 373–374, Ex. 1–7; Lesson 10-5, pp. 375A–375B, 375–376, Ex. 1–8; Lesson 10-8, pp. 383A–383B, 383–384, Ex. 1–7; Lesson 10-9, pp. 385A–385B, 385–386, Ex. 1–10; Lesson 10-10, pp. 387A–387B, 387–388, Ex. 1–12; Lesson 10-11, pp. 389–390, Ex. 1–6; Lesson 10-12, pp. 391A–391B, 391–392, Ex. 1–12; Lesson 10-13, pp. 393A–393B, 393–394, Ex. 1–12; Enrichment, p. 409, Ex. 1–4</p>	<p>Home–School Connection, Math Activity p. 363; Reading for Math Success pp. 367–368, Ex. 1–8; Diagnostic Checkpoint, p. 381, Ex. 1–3; Diagnostic Checkpoint, p. 399, Ex. 1–5; Cumulative Review and Test Prep, p. 408, Ex. 1–3; Discovery Channel, p. 412, Ex. 1–5; Chapter Test, pp. 413–414, Ex. 1–3, 6–9; Cumulative Review and Test Prep, p. 414B, Ex. 5–6; Cumulative Review and Test Prep, p. 450, Ex. 4</p>
<p>2.02 Develop an understanding of the concept of time.</p> <p>a) Tell time at the hour and half-hour.</p> <p>b) Solve problems involving applications of time (clock and calendar).</p>	<p>Lesson 6-1, pp. 205A–205B, 205–206, Ex. 1–7; Lesson 6-2, pp. 207A–207B, 207–208, Ex. 1–15; Lesson 6-3, pp. 209A–209B, 209–210, Ex. 1–8; Lesson 6-4, pp. 211A–211B, 211–212, Ex. 1–10; Lesson 6-5, pp. 215–216, Ex. 1–5; Lesson 6-6, pp. 219–220, Ex. 1–6; Lesson 6-7, pp. 221A–221B, 221–222, Ex. 1–6; Lesson 6-8, pp. 223A–223B, 223–224, Ex. 1–7; Lesson 6-9, pp. 225A–225B, 225–226, Ex. 1–10; Lesson 6-10, pp. 227–228, Ex. 1–6; Lesson 6-11, pp. 229–230, Ex. 2, 4–7; Enrichment, p. 233, Ex. 1–3 Chapter 6: Investigation, pp. 203I–203J</p>	<p>Chapter Story, pp. 6B–6F; Home–School Connection, p. 203; Practice Game, p. 204; Reading for Math Success, pp. 213–214, Ex. 1–5; Diagnostic Checkpoint, p. 217, Ex. 1–6; Diagnostic Checkpoint, p. 231, Ex. 1–5; Cumulative Review and Test Prep, p. 232, Ex. 4–5; Learning with Technology, p. 234, Ex. 3–5; Discovery Channel, p. 236, Ex. 1–3; Chapter Test, pp. 237–238, Ex. 1–11; Cumulative Review and Test Prep, p. 238A, Ex. 1–2; Cumulative Review and Test Prep, p. 254, Ex. 3–5; Cumulative Review and Test Prep, p. 280, Ex. 4–5; Cumulative Review and Test Prep, p. 306, Ex. 3; Cumulative Review and Test Prep, p. 322, Ex.3; Cumulative Review and Test Prep, p. 328A, Ex. 5; Cumulative Review and Test Prep, p. 356, Ex. 4; Cumulative Review and Test Prep, p. 400, Ex. 5; Cumulative Review and Test Prep, p.434, Ex. 4; Diagnostic Checkpoint, p. 469, Ex. 5</p>

Competency Goal 3

The learner will identify, describe, draw, and build basic geometric figures.

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>3.01 Identify, build, draw and name parallelograms, squares, trapezoids, and hexagons.</p>	<p>Lesson 5-4, pp. 165A–165B, 165–166, Ex. 1–8; Lesson 5-6, p. 170, Ex. 7, 9–10; Lesson 5-9, p. 177–178, Ex. 1–2</p>	<p>Readiness, p. R3, Ex. 1; Home–School Connection, p. 155; Diagnostic Checkpoint, p. 163, Ex. 5; Cumulative Review and Test Prep, p. 196, Ex. 4; Chapter Test, p. 201, Ex. 5; Cumulative Review and Test Prep, p. 238A, Ex. 4; Diagnostic Checkpoint, p. 321, Ex. 1</p>
<p>3.02 Identify, build, and name cylinders, cones, and rectangular prisms.</p>	<p>Lesson 5-1, pp. 157A–157B, 157–158, Ex. 1–6; Lesson 5-16, pp. 193–194, Ex. 2, 4, 8</p>	<p>Home–School Connection, p. 155; Diagnostic Checkpoint, p. 163, Ex. 1–2; Cumulative Review and Test Prep, p. 180, Ex. 3; Chapter Test, p. 201, Ex. 1; Cumulative Review and Test Prep, p. 238A, Ex. 3</p>
<p>3.03 Compare and contrast geometric figures.</p>	<p>Lesson 5-6, pp. 169–170, Ex. 1–6, 11</p>	<p>Diagnostic Checkpoint, p. 179, Ex. 2; Cumulative Review and Test Prep, p. 218, Ex. 4; Cumulative Review and Test Prep, p. 238B, Ex. 5; Diagnostic Checkpoint, p. 321, Ex. 1</p>



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Competency Goal 3 (continued)

Objectives	Instruction and Practice	Additional Practice and Assessment
3.04 Solve problems involving spatial visualization.	Lesson 5-6, pp. 169–170, Ex. 1–6, 11; Lesson 5-9, pp. 177A–177B, 177–178, Ex. 1–7; Lesson 5-10, pp. 181A–181B, 181–182, Ex. 1–12; Lesson 5-11, p. 183, Ex. 1–3; Lesson 5-12, p. 185, Ex. 1–4	Diagnostic Checkpoint, p. 179, Ex. 2; Diagnostic Checkpoint, p. 195, Ex. 1–2; Test Talk, p. 199, Ex. 1; Chapter Test, p. 202, Ex. 9–10; Cumulative Review and Test Prep, p. 238B, Ex. 6; Cumulative Review and Test Prep, p. 328B, Ex. 7

Competency Goal 4

The learner will understand and use data and simple probability concepts.

Objectives	Instruction and Practice	Additional Practice and Assessment
4.01 Collect, organize, describe and display data using line plots and tallies.	Lesson 8-14, pp. 313A–313B, 313–314, Ex. 1–7; Lesson 8-17, p. 320, Ex. 4; Lesson 10-17, pp. 403–404, Ex. 1, 3	Diagnostic Checkpoint, p. 321, Ex. 1; Cumulative Review and Test Prep, p. 328A, Ex. 8; Practice Game, p. 364, Ex. 1–6; Diagnostic Checkpoint, p. 407, Ex. 3–4; Learning with Technology, p. 410, Ex. 4, 6; Cumulative Review and Test Prep, p. 434, Ex. 1
4.02 Describe events as certain, impossible, more likely or less likely to occur.	Lesson 10-16, pp. 401–402, Ex. 1–5; Lesson 10-17, pp. 403–404, Ex. 2–4 Chapter 10: Investigation, p. 363J	Practice Game, p. 364, Ex. 1–6; Diagnostic Checkpoint, p. 407, Ex. 1–4; Learning with Technology, p. 410, Ex. 3, 5; Cumulative Review and Test Prep, p. 414B, Ex. 9; Cumulative Review and Test Prep, p. 434, Ex. 2

Competency Goal 5

The learner will demonstrate an understanding of classification and patterning.

Objectives	Instruction and Practice	Additional Practice and Assessment
5.01 Sort and classify objects by two attributes.	Lesson 5-2, pp. 159A–159B, 159–160, Ex. 1–10; Lesson 5-5, pp. 167–168, Ex. 1–4, 9; Lesson 8-11, pp. 307–308, Ex. 1–3 Chapter 5: Investigation, p. 155I	Diagnostic Checkpoint, p. 163, Ex. 3; Diagnostic Checkpoint, p. 179, Ex. 1; Cumulative Review and Test Prep, p. 180, Ex. 4; Cumulative Review and Test Prep, p. 238B, Ex. 5; Diagnostic Checkpoint, p. 321, Ex. 1
5.02 Use Venn diagrams to illustrate similarities and differences in two sets.	Reaching All Learners, Math and Social Studies, p. 307B	



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Competency Goal 5 (continued)

Objectives	Instruction and Practice	Additional Practice and Assessment
5.03 Create and extend patterns, identify the pattern unit, and translate into other forms.	Lesson 1-1, pp. 3A–3B, 3–4, Ex. 1–8; Lesson 1-2, pp. 5–6, Ex. 1–5; Lesson 1-3, pp. 7–8, Ex. 1–3; Lesson 1-13, pp. 33–34, Ex. 1–2, 4–5, 7; Enrichment, p. 37, Ex. 1–4; Lesson 2-5, p. 54, Ex. 10; Lesson 3-6, p. 106, Ex. 8; Lesson 4-1, p. 126, Ex. 9; Lesson 5-4, p. 166, Ex. 9; Lesson 5-16, p. 194, Ex. 6; Lesson 6-3, p. 210, Ex. 7–8; Lesson 6-9, p. 226, Ex. 9–10; Lesson 7-7, pp. 255–256, Ex. 1–4; Lesson 7-8, p. 258, Ex. 6–7; Lesson 7-9, pp. 261–262, Ex. 1–4; Lesson 7-13, p. 270, Ex. 6–7; Enrichment, p. 273, Ex. 1–5; Lesson 8-9, p. 302, Ex. 16–17; Lesson 11-3, p. 422, Ex. 10; Lesson 12-2, p. 462, Ex. 13; Lesson 12-8, p. 476, Ex. 7 Chapter 1: Investigation, p.11	Home–School Connection, p. 1; Diagnostic Checkpoint, p. 9, Ex. 1–3; Cumulative Review and Test Prep, p. 10, Ex. 1–3; Cumulative Review and Test Prep, p. 24, Ex. 1; Cumulative Review and Test Prep, p. 36, Ex. 1; Chapter Test, p. 41, Ex. 1–3; Cumulative Review and Test Prep, p. 74, Ex. 1; Cumulative Review and Test Prep, p. 88A, Ex. 6–7; Learning with Technology, p. 118, Ex. 5–7; Learning with Technology, p. 150, Ex. 5–8; Reading for Math Success, p. 259, Ex. 2–4; Diagnostic Checkpoint, p. 271, Ex. 1–3; Learning with Technology, p. 274, Ex. 1–4; Test Talk, p. 275, Ex. 1–2; Chapter Test, p. 278, Ex. 9–10



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Grade 2 Mathematics Curriculum

Major Concepts/Skills

- Number sense 0–999
- Place value
- Addition and subtraction of multi–digit numbers
- Length, time
- Symmetry and congruence
- Pictographs
- Probability experiments
- Number sentences
- Students will solve relevant and authentic problems using appropriate technology and apply these concepts as well as those developed in earlier years

Concepts/Skills to Maintain

- Patterns
- Sort and classify
- Line plots, tallies

Competency Goal 1

The learner will read, write, model, and compute with whole numbers through 999.

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>1.01 Develop number sense for whole numbers through 999.</p> <p>a) Connect model, number word, and number using a variety of representations.</p> <p>b) Read and write numbers.</p> <p>c) Compare and order.</p> <p>d) Rename.</p> <p>e) Estimate.</p> <p>f) Use a variety of models to build understanding of place value (ones, tens, hundreds).</p>	<p>Lesson 3-1, pp. 81B, 81–82, Ex. 1–6; Lesson 3-2, pp. 83–84, Ex. 1–6; Lesson 3-3, pp. 85A–85B, 85–86, Ex. 1–19; Lesson 3-4, pp. 89–90, Ex. 1–4; Lesson 3-5, pp. 91–92, Ex. 1–12; Lesson 3-6, pp. 95A–95B, 95–96, Ex. 1–10; Lesson 3-7, pp. 97A–97B, 97–98, Ex. 1–15; Lesson 3-8, pp. 99A–99B, 99–100, Ex. 1–13; Lesson 3-11, pp. 105A–105B, 105–106, Ex. 1–6; Lesson 4-12, pp. 163–164, Ex. 1, 4–5; Lesson 10-1, pp. 391A–391B, 391–392, Ex. 1–8; Lesson 10-2, pp. 393A–393B, 393–394, Ex. 1–12; Lesson 10-3, pp. 395A–395B, 395–396, Ex. 1–8; Lesson 10-4, pp. 397–398, Ex. 1–6; Lesson 10-5, pp. 399A–399B, 399–400, Ex. 1–9; Lesson 10-6, pp. 401–402, Ex. 1–8; Lesson 10-8, pp. 407A–407B, 407–408, Ex. 1–14; Lesson 10-9, pp. 409–410, Ex. 1–8; Lesson 10-11, p. 416, Ex. 4–5</p> <p>Chapter 3: Investigation, p.79I</p> <p>Chapter 10: Investigation, p.389I–389J</p>	<p>Practice Game, pp. 1A–1F; Diagnostic Checkpoint, p. 11, Ex. 1–2; Cumulative Review and Test Prep, p. 12, Ex. 4; Diagnostic Checkpoint, p. 21, Ex. 1–3; Cumulative Review and Test Prep, p. 22, Ex. 3; Cumulative Review and Test Prep, p. 34, Ex. 1–2; Chapter Test, p. 39, Ex. 1–2; Chapter Story, pp. 2A–2F; Cumulative Review and Test Prep, p. 60, Ex. 1; Cumulative Review and Test Prep, p. 71, Ex. 2; Diagnostic Checkpoint, p. 93, Ex. 1–6; Diagnostic Checkpoint, p. 107, Ex. 1–8; Cumulative Review and Test Prep, p. 108, Ex. 1; Diagnostic Checkpoint, p. 125, Ex. 2; Cumulative Review and Test Prep, p. 126, Ex. 5–6; Chapter Test, pp. 131–132, Ex. 1–12; Diagnostic Checkpoint, p. 143, Ex. 1–6; Cumulative Review and Test Prep, p. 144, Ex. 2; Diagnostic Checkpoint, p. 151, Ex. 1–10; Cumulative Review and Test Prep, p. 166, Ex. 4; Chapter Test, pp. 171–172, Ex. 1–6, 11–12; Cumulative Review and Test Prep, pp. 172A–172B, Ex. 3–4, 6, 8; Cumulative Review and Test Prep, p. 184, Ex. 1; Diagnostic Checkpoint, p. 201, Ex. 2; Cumulative Review and Test Prep, p. 202, Ex. 2–3; Enrichment, p. 203, Ex. 1–5; Cumulative Review and Test Prep, p. 224, Ex. 1–4; Diagnostic Checkpoint, p. 237, Ex. 6; Cumulative Review and Test Prep, p. 238, Ex. 1–3; Cumulative Review and Test Prep, p. 254, Ex. 2; Cumulative Review and Test Prep, p. 268, Ex. 2; Cumulative Review and Test Prep, p. 282, Ex. 1; Cumulative Review and Test Prep, p. 308, Ex. 3; Cumulative Review and Test Prep, p. 318, Ex. 1; Diagnostic Checkpoint, p. 403, Ex. 1–5; Cumulative Review and Test Prep, p. 404, Ex. 6; Diagnostic Checkpoint, p. 417, Ex. 2–7; Enrichment, p. 419, Ex. 1–5; Chapter Test, pp. 422–423, Ex. 1–14; Cumulative Review and Test Prep, p. 424A, Ex. 2–3; Cumulative Review and Test Prep, p. 442, Ex. 1–2; Cumulative Review and Test Prep, p. 498A, Ex. 1–2, 5</p>



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Grade 2 Mathematics Curriculum

Competency Goal 1 (continued)

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>1.02 Use area or region models and set models of fractions to explore part-whole relationships in contexts.</p> <p>a) Represent fractions (halves, thirds, fourths) concretely and symbolically.</p> <p>b) Compare fractions (halves, thirds, fourths) using models.</p> <p>c) Make different representations of the same fractions.</p> <p>d) Combine fractions to describe parts of a whole.</p>	<p>Lesson 7-9, pp. 269A–269B, 269–270, Ex. 1–13; Lesson 7-10, pp. 271A–271B, 271–272, Ex. 1–15; Lesson 7-11, pp. 273A–273B, 273–274, Ex. 1–15; Lesson 7-13, pp. 277A–277B, 277–278, Ex. 1–13; Cumulative Review and Test Prep, p. 418, Ex. 1</p>	<p>Cumulative Review and Test Prep, p. 12, Ex. 3; Diagnostic Checkpoint, p. 281, Ex. 1–12; Enrichment, p. 283, Ex. 1–5; Chapter Test, p. 288, Ex. 7–15; Cumulative Review and Test Prep, p. 332, Ex. 7; Cumulative Review and Test Prep, p. 338A, Ex. 3; Cumulative Review and Test Prep, p. 372, Ex. 1–2; Cumulative Review and Test Prep, p. 382, Ex. 1–2; Cumulative Review and Test Prep, p. 404, Ex. 1–2; Cumulative Review and Test Prep, p. 424B, Ex. 10–12</p>



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Competency Goal 1 (continued)

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>1.03 Create, model, and solve problems that involve addition, subtraction, equal grouping, and division into halves, thirds, and fourths (record in fraction form).</p>	<p>Lesson 1-1, pp. 3–4, Ex. 1–7; Lesson 1-2, pp. 5B, 5–6, Ex. 1–9; Lesson 1-3, pp. 9–10, Ex. 1–8; Lesson 1-4, pp. 13–14, Ex. 1–9; Lesson 1-5, pp. 15A–15B, 15–16, Ex. 1–9; Lesson 1-6, pp. 17–18, Ex. 1–7; Lesson 1-7, pp. 19–20, Ex. 1–7; Lesson 1-8, pp. 23A–23B, 23–24, Ex. 1–10; Lesson 1-10, pp. 27A–27B, 27–28, Ex. 1–8; Lesson 1-11, pp. 29–30, Ex. 1–6; Lesson 1-12, pp. 31–32, Ex. 1–7; Lesson 2-1, pp. 43–44, Ex. 11–12; Lesson 2-2, pp. 45–46, Ex. 11; Lesson 2-3, pp. 47–48, Ex. 1–3; Lesson 2-4, pp. 49A–49B, 49–50, Ex. 1–11; Lesson 2-5, pp. 51–52, Ex. 1–8; Lesson 2-6, pp. 53–54, Ex. 1–7; Lesson 2-7, pp. 57–58, Ex. 1–7; Lesson 2-8, pp. 61A–61B, 61–62, Ex. 1–8; Lesson 2-9, pp. 63A–63B, 63–64, Ex. 1–11; Lesson 2-10, pp. 65–66, Ex. 1–6; Lesson 2-12, pp. 69–70, Ex. 1–6; Lesson 4-1, pp. 135A–135B, 135–136, Ex. 1–11; Lesson 4-2, pp. 137A–137B, 137–138, Ex. 1–11; Lesson 4-3, pp. 139–140, Ex. 1–14; Lesson 4-4, pp. 141A–141B, 141–142, Ex. 1–8; Lesson 4-5, pp. 145A–145B, 145–146, Ex. 1–11; Lesson 4-6, pp. 147A–147B, 147–148, Ex. 1–12; Lesson 4-7, pp. 149–150, Ex. 1–3; Lesson 4-8, pp. 155–156, Ex. 1–5; Lesson 5-1, pp. 175A–175B, 175–176, Ex. 1–12; Lesson 5-2, pp. 177–178, Ex. 1–6; Lesson 5-3, pp. 179–180, Ex. 1–4; Lesson 5-4, pp. 181–182, Ex. 1–5; Lesson 5-5, pp. 185–186, Ex. 1–6; Lesson 5-6, pp. 187–188, Ex. 1–6; Lesson 5-8, pp. 191–192, Ex. 1–8; Lesson 5-9, pp. 193A–193B, 193–194, Ex. 1–8; Lesson 5-10, pp. 197B, 197–198, Ex. 1–5; Lesson 4-12, pp. 163–164, Ex. 2–3; Lesson 5-11, pp. 199–200, Ex. 1–5; Lesson 6-1, pp. 211A–211B, 211–212, Ex. 1–12; Lesson 6-2, pp. 213–214, Ex. 1–5; Lesson 6-3, pp. 215–216, Ex. 1–6; Lesson 6-4, pp. 217–218, Ex. 1–5; Lesson 6-5, pp. 221–222, Ex. 1–5; Lesson 6-6, pp. 225A–225B, 225–226, Ex. 1–7; Lesson 6-7, pp. 227A–227B, 227–228, Ex. 1–12; Lesson 6-8, pp. 229–230, Ex. 1–5; Lesson 6-9, pp. 231A–231B, 231–232, Ex. 1–11; Lesson 6-10, pp. 233–234, Ex. 1–6; Lesson 6-11, pp. 235–236, Ex. 1–5; Lesson 8-17, pp. 329–330, Ex. 6–7; Lesson 11-1, pp. 427A–427B, 427–428, Ex. 1–16; Lesson 11-2, pp. 429A–429B, 429–430, Ex. 1–12; Lesson 11-3, pp. 431A–431B, 431–432, Ex. 1–17; Lesson 11-4, pp. 433–434, Ex. 1–7; Lesson 11-7, pp. 443A–443B, 443–444, Ex. 1–17; Lesson 11-8, pp. 445A–445B, 445–446, Ex. 1–12; Lesson 11-9, pp. 447B, 447–448, Ex. 1–17; Lesson 11-10, pp. 449–450, Ex. 1–7; Lesson 11-11, pp. 451–452, Ex. 1–6; Lesson 11-13, pp. 455–456, Ex. 1–2, 4–5; Lesson 12–1, pp. 467A–467B, 467–468, Ex. 1–10; Lesson 12–7, pp. 483A–483B, 483–484, Ex. 1–11</p> <p>Chapter 1: Investigation, pp. 1I–1J Chapter 2: Investigation, pp. 41I–41J Chapter 4: Investigation, pp. 133I–133J Chapter 5: Investigation, pp. 173I–173J Chapter 6: Investigation, pp. 209I–209J Chapter 11: Investigation, pp. 425I–425J</p>	<p>Reading for Math Success, pp. 7–8, Ex. 1–8; Diagnostic Checkpoint, p. 11, Ex. 3–6; Diagnostic Checkpoint, p. 21, Ex. 4–6; Diagnostic Checkpoint, p. 33, Ex. 1–4, 9; Test Talk, p. 37, Ex. 1–2; Chapter Test, pp. 39–40, Ex. 3–4, 8–9, 13–14; Cumulative Review and Test Prep, p. 72, Ex. 3; Cumulative Review and Test Prep, pp. 78A–78B, Ex. 5–6, 9; Diagnostic Checkpoint, p. 143, Ex. 1–7; Diagnostic Checkpoint, p. 151, Ex. 1–6; Diagnostic Checkpoint, p. 165, Ex. 3; Cumulative Review and Test Prep, p. 172B, Ex. 9; Diagnostic Checkpoint, p. 183, Ex. 1–6; Cumulative Review and Test Prep, p. 184, Ex. 2–5; Diagnostic Checkpoint, p. 201, Ex. 1, 5–6; Chapter Test, pp. 207–208, Ex. 1–5, 9–10; Diagnostic Checkpoint, p. 223, Ex. 1–4; Diagnostic Checkpoint, p. 237, Ex. 1–5, 7; Cumulative Review and Test Prep, p. 238, Ex. 2–7; Diagnostic Checkpoint, p. 242, Ex. 3–4; Chapter Test, pp. 243–244, Ex. 1–10, 12; Cumulative Review and Test Prep, pp. 244A–244B, Ex. 5–6; Cumulative Review and Test Prep, p. 254, Ex. 3–6; Cumulative Review and Test Prep, p. 268, Ex. 3–7; Cumulative Review and Test Prep, p. 282, Ex. 2–3; Enrichment, p. 283, Ex. 5; Cumulative Review and Test Prep, p. 308, Ex. 1–2, 5; Cumulative Review and Test Prep, p. 318, Ex. 4–5; Cumulative Review and Test Prep, p. 332, Ex. 3–6; Diagnostic Checkpoint, p. 441, Ex. 1–7; Cumulative Review and Test Prep, p. 442, Ex. 1–2; Cumulative Review and Test Prep, p. 458, Ex. 1–4; Enrichment, p. 459, Ex. 1–3; Chapter Test, pp. 463–464, Ex. 1–8, 11–17; Chapter Story, pp. 12A–12F; Diagnostic Checkpoint, p. 481, Ex. 1–8; Diagnostic Checkpoint, p. 491, Ex. 1–4; Enrichment, p. 493, Ex. 1–4; Test Talk, p. 495, Ex. 1–2; Discovery Channel, p. 496, Ex. 1–3; Chapter Test, pp. 497–498, Ex. 1, 3, 12</p>



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Objectives	Instruction and Practice	Additional Practice and Assessment
<p>1.04 Develop fluency with multi-digit addition and subtraction through 999 using multiple strategies.</p> <p>a) Strategies for adding and subtracting numbers.</p> <p>b) Estimation of sums and differences in appropriate situations.</p> <p>c) Relationships between operations.</p>	<p>Lesson 4-1, pp. 135A–135B, 135–136, Ex. 1–11; Lesson 4-2, pp. 137A–137B, 137–138, Ex. 1–11; Lesson 4-3, pp. 139A–139B, 139–140, Ex. 1–14; Lesson 4-4, pp. 141B, 141–142, Ex. 1–8; Lesson 4-5, pp. 145A–145B, 145–146, Ex. 1–11; Lesson 4-6, pp. 147A–147B, 147–148, Ex. 1–12; Lesson 4-7, pp. 149A–149B, 149–150, Ex. 1–13; Lesson 4-10, pp. 159A–159B, 159–160, Ex. 1–16; Lesson 4-11, pp. 161B, 161–162, Ex. 1–8; Lesson 5-1, pp. 175A–175B, 175–176, Ex. 1–12; Lesson 5-2, pp. 177–178, Ex. 1–4; Lesson 5-3, pp. 179B, 179–180, Ex. 1–5; Lesson 5-4, pp. 181–182, Ex. 1–4; Lesson 5-5, pp. 185–186, Ex. 1–6; Lesson 5-6, pp. 187–188, Ex. 1–6; Lesson 5-8, pp. 191B, 191–192, Ex. 1–8; Lesson 5-9, pp. 193A–193B, 193–194, Ex. 1–10; Lesson 5-10, pp. 197–198, Ex. 1–5; Lesson 5-11, pp. 199–200, Ex. 1–5; Lesson 6-1, pp. 211A–211B, 211–212, Ex. 1–12; Lesson 6-2, pp. 213–214, Ex. 1–5; Lesson 6-3, pp. 215–216, Ex. 1–6; Lesson 6-4, pp. 217–218, Ex. 1–5; Lesson 6-5, pp. 221–222, Ex. 1–5; Lesson 6-6, pp. 225–226, Ex. 1–7; Lesson 6-7, pp. 227A–227B, 227–228, Ex. 1–12; Lesson 6-8, pp. 229–230, Ex. 1–6; Lesson 6-9, pp. 231A–231B, 231–232, Ex. 1–11; Lesson 6-10, pp. 233–234, Ex. 1–6; Lesson 6-11, pp. 235B, 235–236, Ex. 1–6; Lesson 10-4, pp. 397–398, Ex. 1–8; Lesson 10-6, pp. 401A–401B, 401–402, Ex. 1–8; Lesson 10-11, p. 415, Ex. 1–3; Lesson 11-1, pp. 427A–427B, 427–428, Ex. 1–16; Lesson 11-2, pp. 429A–429B, 429–430, Ex. 1–12; Lesson 11-3, pp. 431A–431B, 431–432, Ex. 1–17; Lesson 11-4, pp. 433–434, Ex. 1–7; Lesson 11-5, pp. 435B, 435–436, Ex. 1–7; Lesson 11-7, pp. 443A–443B, 443–444, Ex. 1–16; Lesson 11-8, pp. 445A–445B, 445–446, Ex. 1–12; Lesson 11-9, pp. 447A–447B, 447–448, Ex. 1–16; Lesson 11-10, pp. 449–450, Ex. 1–7; Lesson 11-11, pp. 451–452, Ex. 1–6; Lesson 11-12, pp. 453B, 453–454, Ex. 1–4; Lesson 11-13, pp. 455–456, Ex. 1–2, 4–5; Lesson 12–10, pp. 489–490, Ex. 2, 5</p> <p>Chapter 4: Investigation, pp. 133I–133J</p> <p>Chapter 5: Investigation, pp. 173I–173J</p> <p>Chapter 6: Investigation, pp. 209I–209J</p> <p>Chapter 11: Investigation, pp. 425I–425J</p>	<p>Practice Game, p. 80; Diagnostic Checkpoint, p. 125, Ex. 1, 3–6; Enrichment, p. 127, Ex. 1–8; Learning with Technology, p. 128, Ex. 1–4; Discovery Channel, p. 130, Ex. 1–3; Chapter Test, 132, Ex. 13–17; Chapter Story, pp. 4A–4F; Practice Game, p. 134; Diagnostic Checkpoint, p. 143, Ex. 1–7; Diagnostic Checkpoint, p. 151, Ex. 1–10; Diagnostic Checkpoint, p. 165, Ex. 1; Cumulative Review and Test Prep, p. 166, Ex. 5; Test Talk, p. 169, Ex. 1–2; Discovery Channel, p. 170, Ex. 1–3; Chapter Test, pp. 171–172, Ex. 1–15; Cumulative Review and Test Prep, p. 172A, Ex. 1–3; Chapter Story, pp. 5A–5F; Practice Game, p. 174; Diagnostic Checkpoint, p. 183, Ex. 1–6; Cumulative Review and Test Prep, p. 184, Ex. 6; Diagnostic Checkpoint, p. 201, Ex. 1–6; Enrichment, p. 203, Ex. 1–5; Learning with Technology, p. 204, Ex. 1–4; Test Talk, p. 205, Ex. 1–2; Discovery Channel, p. 206, Ex. 1–3; Chapter Test, pp. 207–208, Ex. 1–10; Chapter Story, pp. 6A–6F; Practice Game, p. 210; Diagnostic Checkpoint p. 223, Ex. 1–5; Cumulative Review and Test Prep, p. 224, Ex. 1–6; Diagnostic Checkpoint, p. 237, Ex. 1–7; Cumulative Review and Test Prep, p. 238, Ex. 1–8; Enrichment, p. 239, Ex. 1–4; Learning with Technology, p. 240, Ex. A–P; Test Talk, p. 241, Ex. 1–2; Discovery Channel, p. 242, Ex. 3–5; Chapter Test, pp. 243–244, Ex. 1–12; Cumulative Review and Test Prep, pp. 244A–244B, Ex. 1–4, 7–8; Cumulative Review and Test Prep, p. 254, Ex. 2–7; Cumulative Review and Test Prep, p. 268, Ex. 3–7; Cumulative Review and Test Prep, p. 282, Ex. 2–4; Cumulative Review and Test Prep, p. 308, Ex. 2, 5–6; Cumulative Review and Test Prep, p. 318, Ex. 2, 4–5; Cumulative Review and Test Prep, p. 332, Ex. 3–6; Cumulative Review and Test Prep, p. 338A, Ex. 1–2; Cumulative Review and Test Prep, p. 362, Ex. 3–4, 7–8; Cumulative Review and Test Prep, p. 371, Ex. 5; Cumulative Review and Test Prep, p. 382, Ex. 6; Test Talk, p. 385, Ex. 1–2; Chapter Test, p. 388, Ex. 13; Chapter Story, pp. 10A–10F; Test Talk, p. 421, Ex. 1–2; Discovery Channel, p. 422, Ex. 1–3; Cumulative Review and Test Prep, p. 424A–424B, Ex. 4–5, 8–9; Chapter Story, pp. 11A–11F; Practice Game, p. 426; Diagnostic Checkpoint, p. 441, Ex. 1–7; Cumulative Review and Test Prep, p. 442, Ex. 3, 6; Diagnostic Checkpoint, p. 457, Ex. 1–7; Cumulative Review and Test Prep, p. 458, Ex. 1–4; Enrichment, p. 459, Ex. 1–3; Learning with Technology, p. 460, Ex. 1–5; Test Talk, p. 461, Ex. 1–2; Discovery Channel, p. 462, Ex. 1–3; Chapter Test, pp. 463–464, Ex. 1–8, 11–17; Cumulative Review and Test Prep, p. 492, Ex. 1–3; Learning with Technology, p. 494, Ex. 1–6; Cumulative Review and Test Prep, pp. 498A–498B, Ex. 3, 7–8, 12</p>



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Competency Goal 1 (continued)

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>1.05 Create and solve problems using strategies such as modeling, composing and decomposing quantities, using doubles, and making tens and hundreds.</p>	<p>Lesson 1-1, pp. 3A–3B, 3–4, Ex. 1–7; Lesson 1-2, pp. 5A–5B, 5–6, Ex. 1–9; Lesson 1-4, pp. 13A–13B, 13–14, Ex. 1–11; Lesson 1-5, pp. 15A–15B, 15–16, Ex. 1–8; Lesson 1-9, pp. 25A–25B, 25–26, Ex. 1–20; Lesson 1-11, pp. 29–30, Ex. 1–7; Lesson 1-12, pp. 31–32, Ex. 1–5, 7; Lesson 2-1, pp. 43A–43B, 43–44, Ex. 1–12; Lesson 2-2, pp. 45A–45B, 45–46, Ex. 1–10; Lesson 2-3, pp. 47A–47B, 47–48, Ex. 1–9; Lesson 2-4, pp. 49A–49B, 49–50, Ex. 1–11; Lesson 2-5, pp. 51–52, Ex. 1–8; Lesson 2-6, pp. 53–54, Ex. 1–7; Lesson 2-7, pp. 57–58, Ex. 1–7; Lesson 2-8, pp. 61–62, Ex. 1–8; Lesson 2-9, pp. 63A–63B, 63–64, Ex. 1–12; Lesson 2-10, pp. 65–66, Ex. 1–6; Lesson 2-11, pp. 67–68, Ex. 1–6; Lesson 2-12, pp. 69–70, Ex. 1–5; Lesson 3-4, pp. 89–90, Ex. 1–4; Lesson 4-10, pp. 159A–159B, 159–160, Ex. 1–16; Lesson 5-6, pp. 187–188, Ex. 1–6; Lesson 11-1, pp. 427A–427B, 427–428, Ex. 1–16; Lesson 11-7, pp. 443A–443B, 443–444, Ex. 1–14</p>	<p>Practice Game, p. 2; Cumulative Review and Test Prep, p. 12, Ex. 5–6; Cumulative Review and Test Prep, p. 22, Ex. 4–5; Diagnostic Checkpoint, p. 33, Ex. 1–9; Cumulative Review and Test Prep, p. 34, Ex. 4–7; Enrichment, p. 35, Ex. 1–8; Learning with Technology, p. 36, Ex. 1–5; Practice Game, p. 42; Reading for Math Success, pp. 55–56, Think About It, Ex. 4–6; Diagnostic Checkpoint, p. 59, Ex. 1–6; Cumulative Review and Test Prep, p. 60, Ex. 5; Diagnostic Checkpoint, p. 71, Ex. 1–4; Enrichment, p. 73, Ex. 1–7; Learning with Technology, p. 74, Ex. 1–14; Chapter Test, pp. 77–78, Ex. 1–12; Cumulative Review and Test Prep, pp. 78A–78B, Ex. 1–4, 7, 10, 12; Chapter Story, pp. 3A–3F; Cumulative Review and Test Prep, p. 94, Ex. 1–6; Cumulative Review and Test Prep, p. 108, Ex. 8; Cumulative Review and Test Prep, p. 126, Ex. 3–4, 7–9; Cumulative Review and Test Prep, p. 144, Ex. 1–6; Cumulative Review and Test Prep, p. 152, Ex. 2–7; Diagnostic Checkpoint, p. 165, Ex. 1, 3–5; Cumulative Review and Test Prep, p. 166, Ex. 1–2, 6–7; Cumulative Review and Test Prep, p. 172A, Ex. 5; Cumulative Review and Test Prep, p. 184, Ex. 1–5, 7; Reading for Math Success, p. 195, Ex. 2; Cumulative Review and Test Prep, p. 202, Ex. 1–2, 5–7; Reading for Math Success, pp. 219–220, Ex. 1–5; Cumulative Review and Test Prep, pp. 244A–244B, Ex. 5, 7–8; Cumulative Review and Test Prep, p. 254, Ex. 1; Cumulative Review and Test Prep, p. 308, Ex. 1; Cumulative Review and Test Prep, p. 332, Ex. 1; Cumulative Review and Test Prep, p. 424A, Ex. 1</p>
<p>1.06 Define and recognize odd and even numbers.</p>	<p>Lesson 3-9, pp. 101A–101B, 101–102, Ex. 1–12; Lesson 3-11, pp. 105–106, Ex. 2–3, 5; Lesson 10-9, p. 410, Ex. 9–10</p>	<p>Diagnostic Checkpoint, p. 107, Ex. 2, 5; Cumulative Review and Test Prep, p. 126, Ex. 1–2; Cumulative Review and Test Prep, pp. 172A–172B, Ex. 4, 10</p>

Competency Goal 2

The learner will recognize and use standard units of metric and customary measurement.

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>2.01 Estimate and measure using appropriate units.</p> <p>a) Length (meters, centimeters, feet, inches, yards).</p> <p>b) Temperature (Fahrenheit)</p>	<p>Lesson 9-1, pp. 341A–341B, 341–342, Ex. 1–7; Lesson 9-2, pp. 343A–343B, 343–344, Ex. 1–9; Lesson 9-3, pp. 345A–345B, 345–346, Ex. 1–9; Lesson 9-4, pp. 347–348, Ex. 1–6; Lesson 9-5, pp. 351B, 351–352, Ex. 1–5; Lesson 9-13, pp. 369A–369B, 369–370, Ex. 1–13; Lesson 9-17, pp. 379–380, Ex. 1–2</p>	<p>Diagnostic Checkpoint, p. 361, Ex. 1–2, 6–8; Diagnostic Checkpoint, p. 371, Ex. 7–8; Enrichment, p. 383, Ex. 1–2, 5; Learning with Technology, p. 384, Ex. 1–5; Discovery Channel, p. 386, Ex. 1–3; Chapter Test, pp. 387–388, Ex. 1–2, 9, 11, 13; Cumulative Review and Test Prep, p. 418, Ex. 4; Cumulative Review and Test Prep, p. 458, Ex. 7</p>
<p>2.02 Tell time at the five-minute intervals.</p>	<p>Lesson 8-1, pp. 291A–291B, 291–292, Ex. 1–5; Lesson 8-2, pp. 293A–293B, 293–294, Ex. 1–9; Lesson 8-3, pp. 295A–295B, 295–296, Ex. 1–7; Lesson 8-17, pp. 329A–329B, 329–330, Ex. 1–5; Lesson 10-11, pp. 415–416, Ex. 6</p>	<p>Cumulative Review and Test Prep, p. 34, Ex. 3; Chapter Story, pp. 8A–8F; Practice Game, p. 290; Diagnostic Checkpoint, p. 307, Ex. 1–2, 5; Cumulative Review and Test Prep, p. 318, Ex. 6; Chapter Test, p. 337, Ex. 1, 4; Cumulative Review and Test Prep, p. 338A, Ex. 4; Cumulative Review and Test Prep, p. 362, Ex. 1–2; Cumulative Review and Test Prep, p. 404, Ex. 4; Cumulative Review and Test Prep, p. 424B, Ex. 14; Cumulative Review and Test Prep, p. 458, Ex. 5–6; Cumulative Review and Test Prep, p. 482, Ex. 1</p>



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Competency Goal 3

The learner will perform simple transformations.

Objectives	Instruction and Practice	Additional Practice and Assessment
3.01 Combine simple figures to create a given shape.	Lesson 7-4, pp. 255B, 255–256, Ex. 1–5	Diagnostic Checkpoint, p. 267, Ex. 1–2; Cumulative Review and Test Prep, p. 282, Ex. 5; Learning with Technology, p. 284, Ex. 1–6; Chapter Test, p. 287, Ex. 3; Cumulative Review and Test Prep, p. 338B, Ex. 8
3.02 Describe change in attributes as two- and three-dimensional figures are cut and rearranged.	Lesson 7-2, pp. 249A–249B, 249–250, Ex. 1–8; Lesson 7-3, pp. 251B, 251–252, Ex. 1–5; Lesson 7-4, pp. 255–256, Ex. 1–5	Diagnostic Checkpoint, p. 253, Ex. 2–4; Reading for Math Success, p. 264, Ex. 5; Diagnostic Checkpoint, p. 267, Ex. 7; Learning with Technology, p. 284, Ex. 1–6; Chapter Test, p. 287, Ex. 2; Cumulative Review and Test Prep, p. 318, Ex. 3; Cumulative Review and Test Prep, p. 424A, Ex. 7; Cumulative Review and Test Prep, p. 492, Ex. 6; Cumulative Review and Test Prep, p. 498A, Ex. 4
3.03 Identify and make: a) Symmetric figures. b) Congruent figures.	Lesson 7-4, p. 256, Ex. 5; Lesson 7-5, pp. 257A–257B, 257–258, Ex. 1–12; Lesson 7-7, pp. 261A–261B, 261–262, Ex. 1–12	Practice Game, p. 246; Lesson 7-8, p. 266, Ex. 2–3; Diagnostic Checkpoint, p. 267, Ex. 3–6; Discovery Channel, p. 286, Ex. 1–5; Chapter Test, p. 287, Ex. 4, 6; Cumulative Review and Test Prep, p. 338A, Ex. 5–6; Cumulative Review and Test Prep, p. 361, Ex. 5–6; Cumulative Review and Test Prep, p. 424B, Ex. 13

Competency Goal 4

The learner will understand and use data and simple probability concepts.

Objectives	Instruction and Practice	Additional Practice and Assessment
4.01 Collect, organize, describe and display data using Venn diagrams (three sets) and pictographs where symbols represent multiple units (2's, 5's, 10's).	Lesson 8-9, pp. 311A–311B, 311–312, Ex. 1–7; Lesson 8-10, pp. 313A–313B, 313–314, Ex. 1–10; Lesson 8-11, pp. 315A–315B, 315–316, Ex. 1–12; Lesson 8-12, pp. 319A–319B, 319–320, Ex. 1–11; Lesson 8-14, pp. 323A–323B, 323–324, Ex. 1–11; Lesson 8-16, p. 327B, 327, Ex. 1–4	Discovery Channel, p. 38, Ex. 1–2; Chapter Test, pp. 131–132, Ex. 13–15; Diagnostic Checkpoint, p. 317, Ex. 1–7; Diagnostic Checkpoint, p. 331, Ex. 1–4, 11; Test Talk, p. 335, Ex. 1–3; Chapter Test, pp. 337–338, Ex. 7–9, 13–14, 17–18; Cumulative Review and Test Prep, pp. 338A–338B, Ex. 7, 9–10; Practice Game, p. 340; Diagnostic Checkpoint, p. 381, Ex. 5–6; Cumulative Review and Test Prep, p. 381, Ex. 3–4; Discovery Channel, p. 386, Ex. 3; Chapter Test, p. 388, Ex. 16–17; Cumulative Review and Test Prep, p. 418, Ex. 3; Cumulative Review and Test Prep, p. 442, Ex. 4
4.02 Conduct simple probability experiments; describe the results and make predictions	Lesson 9-14, pp. 373A–373B, 373–374, Ex. 1–11; Lesson 9-15, pp. 375A–375B, 375–376, Ex. 1–8 Chapter 9: Investigation, p. 339J	Diagnostic Checkpoint, p. 381, Ex. 1–4; Chapter Test, p. 388, Ex. 14–17; Cumulative Review and Test Prep, p. 418, Ex. 5



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Competency Goal 5

The learner will recognize and represent patterns and simple mathematical relationships.

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>5.01 Identify, describe, translate, and extend repeating and growing patterns.</p>	<p>Lesson 3-8, pp. 99A–99B, 99–100, Ex. 1–13; Lesson 4-9, pp. 157–158, Ex. 1–6; Lesson 4-12, p. 163, Ex. 1; Lesson 10-6, pp. 401–402, Ex. 8; Lesson 10-8, pp. 407A–407B, 407–408, Ex. 1–14; Lesson 10-10, pp. 413A–413B, 413–414, Ex. 1–8</p>	<p>Cumulative Review and Test Prep, p. 12, Ex. 2; Cumulative Review and Test Prep, p. 22, Ex. 1; Enrichment, p. 73, Ex. 7; Diagnostic Checkpoint, p. 107, Ex. 2–7; Cumulative Review and Test Prep, p. 144, Ex. 7–8; Cumulative Review and Test Prep, p. 152, Ex. 1; Diagnostic Checkpoint, p. 165, Ex. 2; Enrichment, p. 167, Ex. 1–5; Chapter Test, p. 172, Ex. 16; Reading for Math Success, p. 196, Ex. 5; Practice Game, p. 390; Diagnostic Checkpoint, p. 403, Ex. 1; Reading for Math Success, pp. 411–412, Ex. 1–5; Diagnostic Checkpoint, p. 417, Ex. 2–7; Learning with Technology, p. 420, Ex. 1–4; Chapter Test, p. 424, Ex. 8–11; Cumulative Review and Test Prep, p. 482, Ex. 3–5</p>
<p>5.02 Write addition and subtraction number sentences to represent a problem; use symbols to represent unknown quantities.</p>	<p>Lesson 1-2, pp. 5B, 5–6, Ex. 1–9, Lesson 1-4, p. 14, Ex. 11; Lesson 1-6, pp. 17A–17B, 17–18, Ex. 1–7; Lesson 1-7, pp. 19A–19B, 19–20, Ex. 1–7; Lesson 1-8, pp. 23–24, Ex. 11–12; Lesson 1-9, pp. 25A–25B, 25–26, 1–19; Lesson 1-10, pp. 27A–27B, 27–28, Ex. 1–10; Lesson 1-11, pp. 29–30, Ex. 1–6; Lesson 1-12, pp. 31–32, Ex. 1–7; Lesson 2-3, p. 47, Ex. 1–3; Lesson 2-7, pp. 57A–57B, 57–58, Ex. 1–7; Lesson 2-11, pp. 67–68, Ex. 1–5; Lesson 2-12, pp. 69–70, Ex. 1–6; Lesson 4-12, pp. 163–164, Ex. 2,3; Lesson 5-11, pp. 199A–199B, 199–200, Ex. 1–5; Lesson 6-5, pp. 221A–221B, 221–222, Ex. 1–5; Lesson 6-11, pp. 235A–235B, 235–236, Ex. 1–6; Lesson 8-17, pp. 329–330, Ex. 6–7; Lesson 9-16, pp. 377A–377B, 377–378, Ex. 1–6; Lesson 10-6, pp. 401A–401B, 401–402, Ex. 1–7</p>	<p>Reading for Math Success, pp. 7–8, Ex. 1–8; Diagnostic Checkpoint, p. 11, Ex. 3–6; Diagnostic Checkpoint, p. 21, Ex. 4–6; Diagnostic Checkpoint, p. 33, Ex. 9; Enrichment, p. 35, Ex. 9; Learning with Technology, p. 36; Test Talk, p. 37, Ex. 1–2; Discovery Channel, p. 38, Ex. 3; Chapter Test, pp. 39–40, Ex. 3–4, 8–9, 11–14; Cumulative Review and Test Prep, p. 60, Ex. 2–4; Diagnostic Checkpoint, p. 72, Ex. 1; Enrichment, p. 73, Ex. 7; Test Talk, p. 75, Ex. 1–2; Discovery Channel, p. 76, Ex. 1–3; Chapter Test, pp. 77–78, Ex. 4, 13–14; Cumulative Review and Test Prep, pp. 78A–78B, Ex. 5–6, 9; Reading for Math Success, pp. 87–88, Ex. 2, 7; Cumulative Review and Test Prep, p. 94, Ex. 7; Cumulative Review and Test Prep, p. 108, Ex. 2–7; Test Talk, p. 129, Ex. 1–2; Cumulative Review and Test Prep, p. 152, Ex. 6–7; Learning with Technology, p. 168, Ex. 1–8; Cumulative Review and Test Prep, pp. 172A–172B, Ex. 5, 7; Cumulative Review and Test Prep, p. 184, Ex. 1; Diagnostic Checkpoint, p. 223, Ex. 5; Cumulative Review and Test Prep, p. 224, Ex. 7; Lesson 6-6, p. 226, Ex. 6–7; Chapter Test, pp. 243–244, Ex. 5, 12; Reading for Math Success, p. 263, Ex. 4; Cumulative Review and Test Prep, p. 268, Ex. 1; Lesson 7-14, p. 279, Ex. 1; Lesson 8-17, p. 330, Ex. 6–7; Diagnostic Checkpoint, p. 381, Ex. 7; Test Talk, p. 385, Ex. 1–2; Cumulative Review and Test Prep, p. 404, Ex. 3</p>



Correlation to North Carolina Standard Course of Study

Grade 3 Mathematics Curriculum

Major Concepts/Skills

- Number sense 0–9,999
- Multiplication and division
- Non-negative rational numbers
- Capacity and mass
- Coordinate grids
- Circle graphs
- Permutations and combinations
- Growing patterns
- Variables
- Students will solve relevant and authentic problems using appropriate technology and apply these concepts as well as those developed in earlier years

Concepts/Skills to Maintain

- Addition and subtraction of multi-digit numbers
- Length and time
- Symmetry and congruence
- Line plots, tallies, pictographs
- Venn diagrams

Competency Goal 1

The learner will model, identify and compute with numbers through 9,999.

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>1.01 Develop number sense for whole numbers through 9,999.</p> <p>a) Connect model, number word, and number using a variety of representations.</p> <p>b) Build understanding of place value (ones through thousands).</p> <p>c) Compare and order.</p>	<p>Lesson 1-2, pp. 6A–6B, 6–7, Ex. 1–19; Lesson 1-3, pp. 8A–8B, 8–9, Ex. 1–10, 12–14; Lesson 1-4, pp. 10A–10B, 10–11, Ex. 1–11, 13–14, 20; Lesson 1-7, pp. 18A–18B, 18–21, Ex. 1–23; Lesson 1-8, pp. 22A–22B, 22–23, Ex. 1–19; Lesson 1-15, pp. 44–45, Ex. 1, 3, 6–7; Lesson 2-13, pp. 104–105, Ex. 4; Lesson 3-6, pp. 146A–146B, 146–147, Ex. 1–16; Lesson 3-14, pp. 168–169, Ex. 1–3, 8–13, 21; Lesson 3-15, pp. 170–171, Ex. 1; Lesson 4-15, pp. 237–238, Ex. 3</p> <p>Chapter 1: Investigation, pp. 21–2J</p>	<p>Diagnosing Readiness, pp. 2–3, Ex. 4–14; Warm Up, p. 6, Ex. 1–3; Warm Up, p. 8, Ex. 1–3; Warm Up, p. 10, Ex. 1–3; Warm Up, p. 12, Ex. 1–2; Lesson 1-5, p. 13, Ex. 14–18; Section A Review, p. 16, Ex. 3–5, 8, C–D; Diagnostic Checkpoint, p. 17, Ex. 2, 5–6, 8, 10, 15; Warm Up, p. 18, Ex. 1–4; Discovery Channel, p. 21, Ex. 1–2; Warm Up, p. 22, Ex. 1–3; Lesson 1-9, p. 27, Ex. 33; Warm Up, p. 28, Ex. 1–3; Lesson 1-10, p. 31, Ex. 39–41; Section B Review, p. 34, Ex. 1–4, A–B; Diagnostic Checkpoint, p. 35, Ex. 1, 3–7; Lesson 1-13, p. 41, Ex. 10; Test Talk, pp. 48–49, Ex. 1, 3; Key Vocabulary and Concept Review, p. 50, Ex. 2–3; Chapter Test, pp. 52–53, Ex. 2, 4, 8, 11–15, 20–25; Cumulative Review and Test Prep, p. 54, Ex. 2–4, 7; Reteaching, pp. 56–58, Set 1-2, Ex. 1–4, Set 1-3, Ex. 1–4, Set 1-4, Ex. 1–2, Set 1-7, Ex. 1–3, Set 1-8, Ex. 1–3; More Practice, pp. 60–62, Set 1-2, Ex. 1–7, Set 1-3, Ex. 1–5, Set 1-4, Ex. 1–6, Set 1-7, Ex. 1–16, Set 1-8, Ex. 1–11; Lesson 2-2, p. 71, Ex. 20; Lesson 2-6, p. 84, Ex. 23; Lesson 2-7, p. 88, Ex. 28; Lesson 2-8, p. 91, Ex. 19; Lesson 2-10, p. 97, Ex. 22; Lesson 2-11, p. 100, Ex. 28; Lesson 2-12, p. 103, Ex. 5–6; Diagnosing Readiness, pp. 124–125, Ex. 27–33; Lesson 3-1, p. 127, Ex. 23; Warm Up, p. 146, Ex. 1–2; Lesson 3-7, p. 149, Ex. 26–28; Section B Review, p. 158, Ex. 1–4, A–B; Diagnostic Checkpoint, p. 159, Ex. 3–6; Section C Review, p. 172, Ex. 7, G; Diagnostic Checkpoint, p. 173, Ex. 15–16; Chapter Test, pp. 178–179, Ex. 6, 15–18, 27–28; Cumulative Review and Test Prep, p. 180, Ex. 6; Reteaching, pp. 183–185, Set 3-6, Ex. 1–2, Set 3-14, Ex. 3–6; More Practice, pp. 186–189, Set 3-2, Ex. 4, Set 3-6, Ex. 1–9, Set 3-14, Ex. 1–3; Lesson 4-6, p. 210, Ex. 14–16; Lesson 4-15, p. 239, Ex. 3; Cumulative Review and Test Prep, p. 248, Ex. 1; Cumulative Review and Test Prep, p. 304, Ex. 5; Cumulative Review and Test Prep, p. 358, Ex. 2; Lesson 7-2, p. 373, Ex. 15; Lesson 7-7, p. 389, Ex. 35; Lesson 8-5, p. 445, Ex. 15; Lesson 8-10, p. 461, Ex. 17; Lesson 8-12, p. 471, Ex. 17; Lesson 9-2, p. 503, Ex. 20; Warm Up, p. 506, Ex. 1–4; Cumulative Review and Test Prep, p. 552, Ex. 2; Enrichment, p. 615, Ex. 1–2; Cumulative Review and Test Prep, p. 668, Ex. 1; Diagnosing Readiness, p. 679, Ex. 18–19, 22; Cumulative Review and Test Prep, p. 720, Ex. 4</p>



Correlation to North Carolina Standard Course of Study

Grade 3 Mathematics Curriculum

Competency Goal 1 (continued)

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>1.02 Develop fluency with multi-digit addition and subtraction through 9,999 using:</p> <p>a) Strategies for adding and subtracting numbers.</p> <p>b) Estimation of sums and differences in appropriate situations.</p> <p>c) Relationships between operations.</p>	<p>Lesson 1-9, pp. 24–27, Ex. 4–7, 14–19, 21–27; Lesson 2-2, pp. 70A–70B, 70–71, Ex. 1–16; Lesson 2-5, pp. 80A–80B, 80–81, Ex. 1–15, 18; Lesson 2-6, pp. 82A–82B, 82–85, Ex. 1–22, 24–31; Lesson 2-7, pp. 86A–86B, 86–89, Ex. 1–27, 30–38; Lesson 2-8, pp. 90A–90B, 90–91, Ex. 1–18; Lesson 2-9, pp. 94A–94B, 94–95, Ex. 1–14, 16–24; Lesson 2-10, pp. 96A–96B, 96–97, Ex. 1–21; Lesson 2-11, pp. 98A–98B, 98–101, Ex. 1–27, 29–38; Lesson 3-1, pp. 126A–126B, 126–127, Ex. 1–21; Lesson 3-2, pp. 128A–128B, 128–131, Ex. 1–16; Lesson 3-3, pp. 132A–132B, 132–135, Ex. 1–31; Lesson 3-4, pp. 136A–136B, 136–137, Ex. 1–22; Lesson 3-7, pp. 148A–148B, 148–149, Ex. 1–25; Lesson 3-8, pp. 150B, 150–151, Ex. 1–15, 17–21; Lesson 3-9, pp. 152A–152B, 152–155, Ex. 1–33; Lesson 3-10, pp. 156A–156B, 156–157, Ex. 1–31</p> <p>Chapter 2: Investigation, pp. 64I–64J</p> <p>Chapter 3: Investigation, p. 124I</p>	<p>Warm Up, p. 24, Ex. 1–4; More Practice, p. 62, Set 1-9, Ex. 1–17; Lesson 2-3, p. 73, Ex. 11–14; Section A Review, p. 78, Ex. 4–5, C; Diagnostic Checkpoint, p. 79, Ex. 3, 7–8; Practice Game, p. 85; Warm Up, p. 90, Ex. 1–2; Section B Review, p. 92, Ex. 1–14, A–G; Diagnostic Checkpoint, p. 93, Ex. 1–23; Warm Up, p. 96, Ex. 1–5; Discovery Channel, p. 101, Ex. 1–2; Lesson 2-12, p. 103, Ex. 8–9; Section C Review, p. 106, Ex. 1–11, A–G; Diagnostic Checkpoint, p. 107, Ex. 2–25; Key Vocabulary and Concept Review, pp. 110–111, Ex. 2–4; Chapter Test, pp. 112–113, Ex. 2, 4–8, 12–26, 29; Cumulative Review and Test Prep, p. 114, Ex. 2; Reteaching, pp. 116–119, Set 2-2, Ex. 1–3, Set 2-5, Ex. 1–10, Set 2-6, Ex. 1–8, Set 2-7, Ex. 1–8, Set 2-8, Ex. 1–6, Set 2-9, Ex. 1–8, Set 2-10, Ex. 1–9, Set 2-11, Ex. 1–4, Set 2-12, Ex. 1–3; More Practice, pp. 120–123, Set 2-2, Ex. 1–15, Set 2-5, Ex. 1–13, Set 2-6, Ex. 1–16, Set 2-7, Ex. 1–19, Set 2-8, Ex. 1–8, Set 2-9, Ex. 1–13, Set 2-10, Ex. 1–8, Set 2-11, Ex. 1–12, Set 2-12, Ex. 1–5; Diagnosing Readiness, p. 125, Ex. 18–26; Warm Up, p. 126, Ex. 1–4; Warm Up, p. 128, Ex. 1–4; Learning with Technology, p. 131, Ex. 1–6; Warm Up, p. 132, Ex. 1–5; Warm Up, p. 136, Ex. 1–4; Lesson 3-5, p. 143, Ex. 13–15; Section A Review, p. 144, Ex. 1–8, A–E; Diagnostic Checkpoint, p. 145, Ex. 1–13, 16–17; Lesson 3-6, p. 147, Ex. 18; Warm Up, p. 148, Ex. 1–4; Warm Up, p. 150, Ex. 1–4; Warm Up, p. 152, Ex. 1–4; Discovery Channel, p. 155, Ex. 1–2; Warm Up, p. 156, Ex. 1–4; Section B Review, p. 158, Ex. 5–18, C–H; Diagnostic Checkpoint, p. 159, Ex. 1–2, 7–24; Warm Up, p. 162, Ex. 1–4; Lesson 3-12, pp. 164–165, Ex. 26–27, 31–34; Warm Up, p. 166, Ex. 1–4; Lesson 3-15, p. 170, Ex. 2; Key Vocabulary and Concept Review, p. 176, Ex. 1–2; Chapter Test, pp. 178–179, Ex. 1–2, 4–5, 9–14, 19–22, 25–26, 29–31; Cumulative Review and Test Prep, pp. 180–181, Ex. 2, 5, 7, 20; Reteaching, pp. 182–184, Set 3-1, Ex. 1–2, Set 3-2, Ex. 1–2, Set 3-3, Ex. 1–3, Set 3-4, Ex. 1–4, Set 3-7, Ex. 1–6, Set 3-8, Ex. 1–2, Set 3-9, Ex. 1–3, Set 3-10, Ex. 1–3; More Practice, pp. 186–188, Set 3-1, Ex. 1–5, Set 3-2, Ex. 1–3, Set 3-3, Ex. 1–11, Set 3-4, Ex. 1–7, Set 3-7, Ex. 1–11, Set 3-8, Ex. 1–11, Set 3-9, Ex. 1–17, Set 3-10, Ex. 1–12, Set 3-11, Ex. 1–2; Warm Up, p. 192, Ex. 1–6; Lesson 4-1, p. 195, Ex. 17; Warm Up, p. 198, Ex. 1–4; Lesson 4-3, p. 199, Ex. 13–16; Warm Up, p. 208, Ex. 1–6; Warm Up, p. 212, Ex. 2–4; Lesson 4-7, p. 215, Ex. 16–19; Lesson 4-8, p. 217, Ex. 6–7; Warm Up, p. 228, Ex. 1–6; Lesson 4-12, p. 231, Ex. 19–20; Lesson 4-14, p. 237, Ex. 5; Cumulative Review and Test Prep, pp. 248–249, Ex. 2, 4, 8; Lesson 5-2, p. 265, Ex. 27; Lesson 5-4, p. 273, Ex. 15; Lesson 5-7, p. 283, Ex. 27; Lesson 5-10, p. 290, Ex. 34; Cumulative Review and Test Prep, p. 304, Ex. 2, 6–7; Lesson 6-3, p. 322, Ex. 32; Discovery Channel, p. 323, Ex. 2; Lesson 6-4, p. 326, Ex. 29; Lesson 6-5, p. 329, Ex. 42; Lesson 6-6, p. 335, Ex. 20–21; Lesson 6-7, p. 339, Ex. 10; Lesson 6-9, p. 343, Ex. 24; Lesson 6-10, p. 345, Ex. 14; Lesson 6-11, p. 347, Ex. 4, 6; Cumulative Review and Test Prep, pp. 358–359, Ex. 1, 13; Reteaching, p. 363, Set 6-11, Ex. 1, 3; Lesson 7-1, p. 371, Ex. 10; Discovery Channel, p. 377, Ex. 1; Lesson 7-9, p. 393, Ex. 39; Lesson 7-11, p. 401, Ex. 31; Lesson 7-12, p. 403, Ex. 28; Lesson 8-7, p. 453, Ex. 20–21, 23; Cumulative Review and Test Prep, p. 486, Ex. 2; Lesson 9-3, p. 505, Ex. 12; Lesson 9-10, p. 525, Ex. 22; Lesson 9-14, p. 537, Ex. 16; Lesson 9-15, p. 539, Ex. 19; Lesson 10-2, p. 567, Ex. 18–20; Lesson 11-6, p. 631, Ex. 21–24; Lesson 11-7, p. 635, Ex. 38; Lesson 11-8, p. 637, Ex. 25–27; Warm Up, p. 702, Ex. 1–2</p>



Correlation to North Carolina Standard Course of Study

Grade 3 Mathematics Curriculum

Competency Goal 1 (continued)

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>1.03 Develop fluency with multiplication from 1×1 to 12×12 and division up to two-digit by one-digit numbers using:</p> <p>a) Strategies for multiplying and dividing numbers.</p> <p>b) Estimation of products and quotients in appropriate situations.</p> <p>c) Relationships between operations.</p>	<p>Lesson 5-1, pp. 260A–260B, 260–261, Ex. 1–8; Lesson 5-2, pp. 262–265, Ex. 1–5, 10–14, 18–20, 22–26; Lesson 5-5, pp. 276A–276B, 276–279, Ex. 1–23, 25–26, 28; Lesson 5-6, pp. 280A–280B, 280–281, Ex. 1–19, 21–26; Lesson 5-7, pp. 282A–282B, 282–283, Ex. 1–26; Lesson 5-9, pp. 286–287, Ex. 1, 3, 5–6, 8, 10–11, 13–14, 17, 20, 22, 32–36; Lesson 5-10, pp. 288–291, Ex. 1–2, 4–8, 30–33, 35–36; Lesson 5-11, pp. 292–293, Ex. 1–7, 9–37; Lesson 6-1, pp. 316A–316B, 316–317, Ex. 1–12, 14–16, 18–22, 24–27, 29, 31–36; Lesson 6-2, pp. 318A–318B, 318–319, Ex. 1–12, 14–16, 18–22, 24–27, 29, 32–37; Lesson 6-3, pp. 320A–320B, 320–323, Ex. 1–31, 33–45, 47; Lesson 6-4, pp. 324–327, Ex. 1–9, 11–20, 22–28, 30, 33–42; 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Diagnostic Checkpoint, p. 625, Ex. 1, 3–17, 30–32; Warm Up, p. 626, Ex. 1–6; Discovery Channel, p. 629, Ex. 2; Warm Up, p. 630, Ex. 1–4; Practice Game, p. 635; Warm Up, p. 648, Ex. 1–6; Warm Up, p. 650, Ex. 1–4; Warm Up, p. 652, Ex. 1–4; Section C Review, p. 660, Ex. 1–22, A–H; Diagnostic Checkpoint, p. 661, Ex. 1–23; Test Talk, pp. 662–663, Ex. 1–4; Key Vocabulary and Concept Review, p. 665, Ex. 3–4; Chapter Test, pp. 666–667, Ex. 1, 3, 10–13, 21; Cumulative Review and Test Prep, pp. 668–669, Ex. 2, 5; Reteaching, pp. 670–673, Set 11-1, Ex. 1–6, Set 11-3, Ex. 1–5; Set 11-4, Ex. 1–4, Set 11-12, Ex. 1–6, Set 11-13, Ex. 1–6, Set 11-14, Ex. 1–5, Set 11-15, Ex. 1; More Practice, pp. 674–677, Set 11-1, Ex. 1–9, Set 11-3, Ex. 1–9, Set 11-4, Ex. 1–9, Set 11-12, Ex. 1–9, Set 11-13, Ex. 1–9, Set 11-14, Ex. 1–9, Set 11-15, Ex. 1; Diagnosing Readiness, pp. 678–679, Ex. 9–11, 14; Warm Up, p. 680, Ex. 3–4; Lesson 12-1, p. 683, Ex. 37–39; Lesson 12-7, p. 701, Ex. 18–19, 21; Lesson 12-9, p. 707, Ex. 23–24; 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Competency Goal 1 (continued)

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>1.04 Use basic properties (identity, commutative, associative, order of operations) for addition, subtraction, multiplication, and division.</p>	<p>Lesson 2-1, pp. 66A–66B, 66–69, Ex. 1–28; Lesson 5-2, pp. 262–265, Ex. 6–8, 15–17, 21; Lesson 5-9, pp. 286B, 286–287, Ex. 1, 3, 5–6, 8, 10–11, 13–14, 17, 20, 22, 31; Lesson 6-9, pp. 342A–342B, 342–343, Ex. 1–18</p>	<p>Lesson 2-2, p. 71, Ex. 17–19; Section A Review, p. 78, Ex. 1–3, A–B; Diagnostic Checkpoint, p. 79, Ex. 1, 4–6; Chapter Test, p. 112, Ex. 3; Cumulative Review and Test Prep, p. 115, Ex. 11; Reteaching, p. 116, Set 2-1, Ex. 1–5; More Practice, p. 120, Set 2-1, Ex. 1–15; Section A Review, p. 274, Ex. D; Diagnostic Checkpoint, p. 275, Ex. 1, 13; Lesson 5-5, p. 278, Ex. 21; Lesson 5-10, p. 291, Ex. 42–43; Lesson 5-11, p. 293, Ex. 38; Section B Review, p. 296, Ex. 20–21; Diagnostic Checkpoint, p. 297, Ex. 27–28, 32; Chapter Test, p. 303, Ex. 16; Reteaching, p. 309, Set 5-9, Ex. 2, 4, 6; More Practice, pp. 310–313, Set 5-2, Ex. 7, Set 5-5, Ex. 14, Set 5-9, Ex. 2, 4, 6–7, 9–10; Lesson 6-3, p. 321, Ex. 9; Diagnostic Checkpoint, p. 337, Ex. 32; Lesson 6-10, p. 345, Ex. 10–13; Section B Review, p. 350, Ex. 9–12, D; Diagnostic Checkpoint, p. 351, Ex. 1, 12–14, 18; Key Vocabulary and Concept Review, p. 355, Ex. 3; Chapter Test, pp. 356–357, Ex. 6, 10, 24–27, 30; Reteaching, p. 362, Set 6-9, Ex. 1–12; More Practice, p. 367, Set 6-9, Ex. 1–17; Lesson 7-7, p. 389, Ex. 26; Cumulative Review and Test Prep, p. 553, Ex. 17; Cumulative Review and Test Prep, p. 601, Ex. 16</p>
<p>1.05 Use area or region models and set models of fractions to explore part-whole relationships.</p> <p>a) Represent fractions concretely and symbolically (halves, fourths, thirds, sixths, eighths).</p> <p>b) Compare and order fractions (halves, fourths, thirds, sixths, eighths) using models and benchmark numbers (zero, one-half, one); describe comparisons.</p> <p>c) Model and describe common equivalents, especially relationships among halves, fourths, and eighths, and thirds and sixths.</p> <p>d) Understand that the fractional relationships that occur between zero and one also occur between every two consecutive whole numbers.</p> <p>e) Understand and use mixed numbers and their equivalent fraction forms.</p>	<p>Lesson 9-1, pp. 498B, 498–501, Ex. 5, 7–8, 14, 16, 18–24, 28; Lesson 9-2, pp. 502A–502B, 502–503, Ex. 1–19; Lesson 9-3, pp. 504A–504B, 504–505, Ex. 1–3, 5–8, 11, 13; Lesson 9-4, pp. 506A–506B, 506–509, Ex. 1–4, 6–15, 16–21; Lesson 9-6, pp. 512–513, Ex. 1, 3–6, 8–11; Lesson 9-7, pp. 516–517, Ex. 1–3, 5–10, 13; Lesson 9-8, pp. 518–519, Ex. 1–2, 4–5, 12, 14; Lesson 9-10, pp. 522A–522B, 522–525, Ex. 1–3, 5–15; Lesson 9-17, pp. 542–543, Ex. 2 Chapter 9: Investigation, p. 496I</p>	<p>Learning with Technology, p. 501, Ex. 2, 5–9; Practice Game, p. 509; Warm Up, p. 510, Ex. 1–2; Lesson 9-5, p. 511, Ex. 16; Section A Review, p. 514, Ex. 1–4, 6, A–E; Diagnostic Checkpoint, p. 515, Ex. 1–10, 13; Warm Up, p. 516, Ex. 1–2; Warm Up, p. 522, Ex. 1–2; Section B Review, p. 530, Ex. 1, 2, 5, A–D, G; Diagnostic Checkpoint, p. 531, Ex. 2–6, 9–11, 13; Lesson 9-12, p. 533, Ex. 12; Key Vocabulary and Concept Review, p. 548, Ex. 1–2; Chapter Test, pp. 550–551, Ex. 1–2, 4–5, 8, 13–17, 19, 22; Cumulative Review and Test Prep, p. 552, Ex. 1, 4; Reteaching, pp. 554–556, Set 9-1, Ex. 1, Set 9-2, Ex. 1–2, Set 9-3, Ex. 1, Set 9-4, Ex. 1–2, Set 9-6, Ex. 1–2, Set 9-7, Ex. 1, Set 9-8, Ex. 1, Set 9-10, Ex. 1; More Practice, pp. 558–560, Set 9-1, Ex. 1–4, Set 9-2, Ex. 1–4, Set 9-3, Ex. 1–3, Set 9-4, Ex. 1–4, Set 9-6, Ex. 1–3, Set 9-7, Ex. 1–4, Set 9-8, Ex. 1–2, Set 9-10, Ex. 1–3; Diagnosing Readiness, p. 562, Ex. 4–6; Warm Up, p. 564, Ex. 1; Diagnosing Readiness, p. 679, Ex. 15–16</p>



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Competency Goal 1 (continued)

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>1.06 Develop flexibility in solving problems by selecting strategies and using mental computation, estimation, calculators or computers, and paper and pencil.</p>	<p>Lesson 1-11, pp. 32–33, Ex. 1–8; Lesson 1-14, pp. 42–43, Ex. 1–5; Lesson 2-5, pp. 80–81, Ex. 15–18; Lesson 2-6, pp. 82–85, Ex. 20–22, 24; Lesson 2-7, pp. 86–89, Ex. 27, 30; Lesson 2-8, pp. 90–91, Ex. 15–17; Lesson 2-9, pp. 94–95, Ex. 16–18; Lesson 2-10, pp. 96–97, Ex. 18–19; Lesson 2-11, pp. 98–101, Ex. 27, 29–31; Discovery Channel, p. 101, Ex. 1–2; Lesson 2-12, pp. 102–103, Ex. 1–3, 8–9; Lesson 2-13, pp. 104–105, Ex. 3, 5–7; Lesson 3-5, pp. 140–143, Ex. 1–12; Lesson 3-11, pp. 160–161, Ex. 1–13; Lesson 3-15, pp. 170–171, Ex. 2–3, 5; Lesson 4-15, pp. 238–239, Ex. 1–5; Lesson 5-8, pp. 284A–284B, 284–285, Ex. 1–7; Lesson 5-12, pp. 294–295, Ex. 1–8; Lesson 6-11, pp. 346A–346B, 346–347, Ex. 1–6; Lesson 6-12, pp. 348A–348B, 348–349, Ex. 1–6; Lesson 7-4, pp. 380A–380B, 380–381, Ex. 1–9; Lesson 7-14, pp. 406–407, Ex. 1–5; Lesson 8-15, pp. 476–477, Ex. 2; Lesson 9-11, pp. 528–529, Ex. 1–6; Lesson 9-16, pp. 540–541, Ex. 1–6; Lesson 9-17, pp. 542–543, Ex. 1–3; Lesson 10-9, pp. 590–591, Ex. 1, 3–5; Lesson 11-16, pp. 658–659, Ex. 1, 3–5, 7; Lesson 12-3, pp. 688A–688B, 688–689, Ex. 1–7; Lesson 12-11, pp. 710–711, Ex. 4–6</p>	<p>Section B Review, p. 34, Ex. 9, E–F; Diagnostic Checkpoint, p. 35, Ex. 14–16; Lesson 1-12, p. 39, Ex. 17; Section C Review, p. 46, Ex. 6, E–F; Diagnostic Checkpoint, p. 47, Ex. 8–9; Key Vocabulary and Concept Review, p. 51, Ex. 7; Chapter Test, p. 53, Ex. 31–33; Reteaching, pp. 58–59, Set 1-11, Ex. 1–3, Set 1-14, Ex. 1–3; More Practice, p. 63, Set 1-11, Ex. 1–4, Set 1-14, Ex. 1–2; Lesson 2-1, p. 69, Ex. 29; Reading for Math Success, pp. 74–75, Ex. 1–15; Lesson 2-4, p. 77, Ex. 2–6; Section B Review, p. 92, Ex. 13–14, F–G; Diagnostic Checkpoint, p. 93, Ex. 1–2, 23; Section C Review, p. 106, Ex. 11, F–G; Diagnostic Checkpoint, p. 107, Ex. 2, 23–25; Chapter Test, p. 113, Ex. 28–29; Cumulative Review and Test Prep, p. 114, Ex. 1, 3; Reteaching, p. 119, Set 2-12, Ex. 1–3; More Practice, pp. 122–123, Set 2-8, Ex. 8, Set 2-12, Ex. 1–5; Diagnosing Readiness, p. 125, Ex. 26; Section A Review, p. 144, Ex. 9, F–G; Diagnostic Checkpoint, p. 145, Ex. 14–15; Lesson 3-6, p. 147, Ex. 17; Lesson 3-12, p. 165, Ex. 35–36; Section C Review, p. 172, Ex. 1, A–B; Diagnostic Checkpoint, p. 173, Ex. 17–18; Key Vocabulary and Concept Review, p. 177, Ex. 5; Chapter Test, p. 179, Ex. 32–33; Reteaching, pp. 183–184, Set 3-5, Ex. 1, Set 3-11, Ex. 1; More Practice pp. 187–189, Set 3-5, Ex. 1–2, Set 3-11, Ex. 1–2; Cumulative Review and Test Prep, p. 248, Ex. 3; Lesson 5-4, p. 273, Ex. 8–10; Lesson 5-9, p. 287, Ex. 37; Section B Review, p. 296, Ex. 10, C; Diagnostic Checkpoint, p. 297, Ex. 25; Key Vocabulary and Concept Review, p. 301, Ex. 4; Chapter Test, pp. 302–303, Ex. 11, 31–32; Reteaching, p. 308, Set 5-8, Ex. 1–3; More Practice, p. 312, Set 5-8, Ex. 1–4; Lesson 6-6, p. 335, Ex. 12–14; Section B Review, p. 350, Ex. 14, F; Diagnostic Checkpoint, p. 351, Ex. 17; Key Vocabulary and Concept Review, p. 355, Ex. 4; Chapter Test, p. 357, Ex. 33; Cumulative Review and Test Prep, p. 359, Ex. 11; Reteaching, p. 363, Set 6-11, Ex. 1–3; More Practice, p. 367, Set 6-11, Ex. 1–4; Section A Review, p. 382, Ex. 5, D–E; Diagnostic Checkpoint, p. 383, Ex. 10; Lesson 7-5, p. 385, Ex. 20; Lesson 8-3, p. 439, Ex. 8–9; Cumulative Review and Test Prep, p. 486, Ex. 1–2, 4; Section B Review, p. 530, Ex. 6, H; Diagnostic Checkpoint, p. 531, Ex. 12; Section C Review, p. 544, Ex. 7, F; Diagnostic Checkpoint, p. 545, Ex. 11; Key Vocabulary and Concept Review, p. 549, Ex. 6; Chapter Test, p. 551, Ex. 20–21; Reteaching, pp. 556–557, Set 9-11, Ex. 1, Set 9-16, Ex. 1; More Practice, pp. 560–561, Set 9-11, Ex. 1–2, Set 9-16, Ex. 1–2; Lesson 10-5, p. 579, Ex. 3–4; Section A Review, p. 698, Ex. 13, F; Diagnostic Checkpoint, p. 699, Ex. 19; Key Vocabulary and Concept Review, p. 717, Ex. 4; Chapter Test, p. 719, Ex. 19; Cumulative Review and Test Prep, p. 720, Ex. 3; Reteaching, p. 723, Set 12-3, Ex. 1; More Practice, p. 727, Set 12-3, Ex. 1-2</p>



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Competency Goal 2

The learner will recognize and use standard units of metric and customary measurement.

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>2.01 Solve problems using measurement concepts and procedures involving:</p> <p>a) Elapsed time.</p> <p>b) Equivalent measures within the same measurement system.</p>	<p>Lesson 4-3, pp. 198A–198B, 198–199, Ex. 1–11; Lesson 4-15, pp. 238–239, Ex. 2, 5; Lesson 9-14, pp. 536A–536B, 536–537, Ex. 1–10, 12–13; Lesson 9-15, pp. 538A–538B, 538–539, Ex. 1–2, 4–10, 14–18; Lesson 11-16, pp. 658–659, Ex. 6; Lesson 12-1, pp. 680–683, Ex. 5–13, 18–35; Lesson 12-2, pp. 684–685, Ex. 5, 10–18; Lesson 12-4, pp. 690–693, Ex. 5–11, 16–26; Lesson 12-5, pp. 694–695, Ex. 4, 8–15; Lesson 12-11, pp. 710B, 710–711, Ex. 1–2, 5</p> <p>Chapter 4: Investigation, p. 190I</p>	<p>Cumulative Review and Test Prep, p. 54, Ex. 8; Cumulative Review and Test Prep, p. 114, Ex. 7; Lesson 4-4, p. 201, Ex. 14; Section A Review, p. 202, Ex. 5–6, D–E; Diagnostic Checkpoint, p. 203, Ex. 9–11; Test Talk, pp. 242–243, Ex. 1, 3; Key Vocabulary and Concept Review, p. 244, Ex. 1; Chapter Test, pp. 246–247, Ex. 6, 11–12; Cumulative Review and Test Prep, p. 248, Ex. 6; Reteaching, p. 250, Set 4-3, Ex. 1–2; More Practice, p. 254, Set 4-3, Ex. 1–7; Cumulative Review and Test Prep, p. 358, Ex. 8; Warm Up, p. 538; Section C Review, p. 544, Ex. 3–6, C–E; Diagnostic Checkpoint, p. 545, Ex. 1–2, 6–10; Key Vocabulary and Concept Review, p. 549, Ex. 5; Chapter Test, p. 551, Ex. 11–12; Cumulative Review and Test Prep, p. 552, Ex. 7–8; Reteaching, p. 557, Set 9-14, Ex. 1–4, Set 9-15, Ex. 1; More Practice, p. 561, Set 9-14, Ex. 1–7, Set 9-15, Ex. 1–5; Cumulative Review and Test Prep, p. 600, Ex. 10; Discovery Channel, p. 629, Ex. 3; Lesson 12-6, p. 697, Ex. 16–18; Section A Review, p. 698, Ex. 1–4, 7–8, A, C–D; Diagnostic Checkpoint, p. 699, Ex. 1–16, 20; Discovery Channel, p. 707, Ex. 1; Lesson 12-10, p. 709, Ex. 5; Key Vocabulary and Concept Review, p. 716, Ex. 1–2; Chapter Test, pp. 718–719, Ex. 2, 4–6, 11–16, 24; Cumulative Review and Test Prep, pp. 720–721, Ex. 9, 18; Reteaching, pp. 722–723, Set 12-1, Ex. 1–4, 6, Set 12-2, Ex. 1–2, 5, Set 12-4, Ex. 1–2, Set 12-5, Ex. 1–3; More Practice, pp. 726–728, Set 12-1, Ex. 4–13, Set 12-2, Ex. 4–9, Set 12-4, Ex. 4–13, Set 12-5, Ex. 5–8</p>
<p>2.02 Estimate and measure using appropriate units.</p> <p>a) Capacity (cups, pints, quarts, gallons, liters).</p> <p>b) Length (miles, kilometers).</p> <p>c) Mass (ounces, pounds, grams, kilograms).</p> <p>d) Temperature (Fahrenheit, Celsius).</p>	<p>Lesson 9-12, pp. 532–533, Ex. 1–2, 4–9; Lesson 9-13, pp. 534A–534B, 534–535, Ex. 1–11; Lesson 9-14, pp. 536–537, Ex. 14–15, Lesson 10-6, pp. 582A–582B, 582–583, Ex. 1–7, Lesson 10-7, pp. 584–587, Ex. 1–3, 8–10, 23–24; Lesson 12-1, pp. 680–683, Ex. 1–4, 14–17; Lesson 12-2, pp. 684–685, Ex. 1–4, 6–9; Lesson 12-4, pp. 690–693, Ex. 1–4, 12–15; Lesson 12-5, pp. 694B, 694–695, Ex. 1–3, 5–7; Lesson 12-6, pp. 696–697, Ex. 1–4, 6–9</p> <p>Chapter 9: Investigation, p. 496J</p> <p>Chapter 12: Investigation, p. 678I</p>	<p>Cumulative Review and Test Prep, p. 114, Ex. 4; Cumulative Review and Test Prep, p. 358, Ex. 6–7; Section C Review, p. 544, Ex. 1–2, A–B; Diagnostic Checkpoint, p. 545, Ex. 3–5, 12; Chapter Test, p. 551, Ex. 10; Reteaching, pp. 556–557, Set 9-12, Ex. 1–2, Set 9-13, Ex. 1–2; More Practice, pp. 560–561, Set 9-12, Ex. 1–3, Set 9-13, Ex. 1–3; Section B Review, p. 592, Ex. 1–4, A–C; Diagnostic Checkpoint, p. 593, Ex. 1, 3–4, 9; Test Talk pp. 594–595, Ex. 1, 4; Chapter Test, p. 599, Ex. 10–11; Reteaching, pp. 604–605, Set 10-6, Ex. 1–4, Set 10-7, Ex. 1–3; More Practice pp. 608–609, Set 10-6, Ex. 1–6, Set 1-7, Ex. 1–9; Section A Review, p. 698, Ex. 5–6, 9–12, B; Chapter Test, pp. 718–719, Ex. 1, 3, 7, 20–21; Cumulative Review and Test Prep, p. 720, Ex. 6, 8; Reteaching, pp. 722–724, Set 12-1, Ex. 5, Set 12-2, Ex. 3–4, Set 12-4, Ex. 3, Set 12-6, Ex. 1–2; More Practice, pp. 726–729, Set 12-1, Ex. 1–3, Set 12-2, Ex. 1–3, Set 12-4, Ex. 1–3, Set 12-5, Ex. 1–4, Set 12-6, Ex. 1–4</p>

Competency Goal 3

The learner will recognize and use basic geometric properties of two- and three-dimensional figures.

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>3.01 Use appropriate vocabulary to compare, describe, and classify two- and three-dimensional figures.</p>	<p>Lesson 8-1, pp. 428A–428B, 428–431, Ex. 1–18; Lesson 8-2, pp. 432A–432B, 432–433, Ex. 1–10; Lesson 8-6, pp. 446A–446B, 446–449, Ex. 1–6, 8–12, 14–23; Lesson 8-14, pp. 474A–474B, 474–475, Ex. 1–9; Lesson 8-15, pp. 476–477, Ex. 6–7</p>	<p>Cumulative Review and Test Prep, p. 114, Ex. 5–6; Cumulative Review and Test Prep, p. 180, Ex. 9; Cumulative Review and Test Prep, p. 248, Ex. 5; Cumulative Review and Test Prep, p. 304, Ex. 8, 11; Cumulative Review and Test Prep, p. 358, Ex. 5; Diagnosing Readiness, pp. 426–427, Ex. 1–12; Warm Up, p. 428, Ex. 1–4; Warm Up, p. 432, Ex. 1–4; Lesson 8-3, p. 439, Ex. 11–12; Section A Review, p. 440, Ex. 1–4, A–D; Diagnostic Checkpoint, p. 441, Ex. 1–8, 10–11; Warm Up, p. 442, Ex. 1–4; Warm Up, p. 446, Ex. 1–2; Discovery Channel, p. 453, Ex. 1–2; Warm Up, p. 454, Ex. 1–4; Warm Up, p. 456, Ex. 1–4; Warm Up, p. 464, Ex. 1–4; Practice Game, p. 471; Warm Up, p. 472, Ex. 1–3; Lesson 8-13, p. 473, Ex. 17; Section C Review, p. 478, Ex. 5, G; Diagnostic Checkpoint, p. 479, Ex. 13; Key Vocabulary and Concept Review, p. 482, Ex. 2; Chapter Test, pp. 484–485, Ex. 1–2, 5–6, 14, 17, 19; Cumulative Review and Test Prep, p. 486, Ex. 5–6; Reteaching, pp. 488–491, Set 8-1, Ex. 1–2, Set 8-2, Ex. 1–2, Set 8-6, Ex. 1–4, Set 8-14, Ex. 1–2; More Practice, pp. 492–495, Set 8-1, Ex. 1–5, Set 8-2, Ex. 1–4, Set 8-6, Ex. 1–5, Set 8-14, Ex. 2; Cumulative Review and Test Prep, p. 552, Ex. 11; Lesson 10-7, p. 587, Ex. 25; Cumulative Review and Test Prep, p. 600, Ex. 8</p>



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Competency Goal 3 (continued)

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>3.02 Use a rectangular coordinate system, to solve problems.</p> <p>a) Graph and identify points with whole number and/or letter coordinates.</p> <p>b) Describe the path between given points on the plane.</p>	Lesson 4-9, pp. 218–221, Ex. 1–27, 29–30	Practice Game, p. 221; Warm Up, p. 222, Ex. 1; Lesson 4-10, p. 223, Ex. 12; Section B Review, p. 224, Ex. 7, F; Diagnostic Checkpoint, p. 225, Ex. 3, 11; Warm Up, p. 232, Ex. 1–4; Key Vocabulary and Concept Review, p. 244, Ex. 3–4; Chapter Test, pp. 246–247, Ex. 3, 18; Cumulative Review and Test Prep, p. 248, Ex. 7; Reteaching, p. 252, Set 4-9, Ex. 1–6; More Practice, p. 256, Set 4-9, Ex. 1–7; Cumulative Review and Test Prep, p. 486, Ex. 7–8

Competency Goal 4

The learner will understand and use data and simple probability concepts.

Objectives	Instruction and Practice	Additional Practice and Assessment
4.01 Collect, organize, analyze, and display data (including circle graphs and tables) to solve problems.	Lesson 1-15, pp. 44–45, Ex. 4, 6–7; Lesson 2-13, pp. 104–105, Ex. 4–7; Lesson 3-15, pp. 170–171, Ex. 3–5, 7; Lesson 4-5, pp. 204A–204B, 204–207, Ex. 1–11; Lesson 4-6, pp. 208A–208B, 208–211, Ex. 1–13; Lesson 4-7, pp. 212A–212B, 212–215, Ex. 1–15, 20; Lesson 4-11, pp. 226–227, Ex. 1–6; Lesson 4-14, pp. 236–237, Ex. 1, 3; Lesson 4-15, pp. 238–239, Ex. 3, 6; Lesson 5-4, pp. 270–273, Ex. 1–7, 10; Lesson 5-12, pp. 294–295, Ex. 4, 8; Lesson 7-14, pp. 406–407, Ex. 2, 4–5; Lesson 9-17, pp. 542–543, Ex. 4–6; Lesson 10-9, pp. 590–591, Ex. 4–6; Lesson 11-16, pp. 658–659, Ex. 4–5, 7; Lesson 12-11, pp. 710–711, Ex. 5–6 Chapter 4: Investigation, p. 190J	Lesson 1-8, p. 23, Ex. 15–17; Cumulative Review and Test Prep, p. 55, Ex. 13–16; Lesson 2-6, p. 84, Ex. 20–24; Lesson 2-9, p. 95, Ex. 15–18; Lesson 2-11, p. 100, Ex. 27–31; Cumulative Review and Test Prep, pp. 114–115, Ex. 3, 8–9; Lesson 3-2, p. 130, Ex. 9–11; Lesson 3-3, p. 134, Ex. 26–28; Lesson 3-11, p. 161, Ex. 11–12; Cumulative Review and Test Prep, p. 181, Ex. 15–18; Learning with Technology, p. 207, Ex. 1–3; Lesson 4-8, p. 217, Ex. 1–2, 4; Section B Review, p. 224, Ex. 1–4, 6, A–E; Diagnostic Checkpoint, p. 225, Ex. 1, 6–7; Section C Review, p. 240, Ex. 1, A–G; Diagnostic Checkpoint, p. 241, Ex. 1–5; Key Vocabulary and Concept Review, p. 245, Ex. 5–6; Chapter Test, pp. 246–247, Ex. 2, 4, 7–8, 13–15; Cumulative Review and Test Prep, pp. 248–249, Ex. 3, 8–9; Reteaching, pp. 251–253, Set 4-5, Ex. 1–3, Set 4-6, Ex. 1–3, Set 4-7, Ex. 1–3, Set 4-11; More Practice, pp. 255–257, Set 4-5, Ex. 1–4, Set 4-6, Ex. 1–3, Set 4-7, Ex. 1–3, Set 4-11, Ex. 1–2, Set 4-14, Ex. 2; Reading for Math Success, pp. 268–269, Ex. 1–12; Section A Review, p. 274, Ex. 6, F–G; Diagnostic Checkpoint, p. 275, Ex. 12; Lesson 5-8, p. 285, Ex. 5–6; Test Talk, p. 299, Ex. 2, 4; Key Vocabulary and Concept Review, p. 300, Ex. 2; Chapter Test, p. 303, Ex. 30; Cumulative Review and Test Prep, p. 305, Ex. 12–16; Reteaching, p. 307, Set 5-4; More Practice, p. 311, Ex. 1–3; Cumulative Review and Test Prep, p. 359, Ex. 9–10; Cumulative Review and Test Prep, p. 417, Ex. 13–15; Cumulative Review and Test Prep, p. 487, Ex. 9, 11; Cumulative Review and Test Prep, p. 553, Ex. 14–16
4.02 Determine the number of permutations and combinations of up to three items.	Lesson 3-5, pp. 140–143; Ex. 1, 5; Lesson 10-5, pp. 578–579, Ex. 1–2	Lesson 1-11, p. 33, Ex. 1–3; Section B Review, p. 34, Ex. 9, E–F; Cumulative Review and Test Prep, p. 115, Ex. 10; Diagnostic Checkpoint, p. 145, Ex. 14; Key Vocabulary and Concept Review, p. 177, Ex. 5; Chapter Test, p. 179, Ex. 33; Cumulative Review and Test Prep, p. 249, Ex. 10; Section A Review, p. 580, Ex. 9, F; Diagnostic Checkpoint, p. 581, Ex. 14; Key Vocabulary and Concept Review, p. 597, Ex. 4; Chapter Test, p. 599, Ex. 24; Reteaching, p. 604, Set 10-5, Ex. 1–2; More Practice, p. 608, Set 10-5, Ex. 1–3
4.03 Solve probability problems using permutations and combinations.	Lesson 12-10, p. 709, Ex. 6	



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Competency Goal 5

The learner will recognize and represent patterns and simple mathematical relationships.

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>5.01 Describe and extend numeric and geometric patterns.</p>	<p>Lesson 2-3, pp. 72A–72B, 72–73, Ex. 1–10; Lesson 5-4, pp. 270B, 270–273, Ex. 1–7; Lesson 6-6, pp. 332–335, Ex. 1–11, 14; Lesson 6-10, p. 344–345, Ex. 1–9; Lesson 8-6, pp. 446–449, Ex. 7, 13; Lesson 10-8, pp. 588–589, Ex. 1–2; Lesson 11-1, pp. 612–615, Activity; Lesson 11-3, pp. 618B, 618–621, Ex. 1–3, 8–11</p>	<p>Section A Review, p. 78, Ex. 6, D; Diagnostic Checkpoint, p. 79, Ex. 2, 13; Lesson 2-5, p. 81, Ex. 20; Lesson 2-12, p. 103, Ex. 7; Key Vocabulary and Concept Review, p. 110, Ex. 1; Chapter Test, pp. 112–113, Ex. 9, 30; Cumulative Review and Test Prep, p. 115, Ex. 12–13, 15; Reteaching, p. 116, Set 2-3, Ex. 1–2; More Practice, p. 120, Set 2-3, Ex. 1–5; Lesson 4-8, p. 217, Ex. 4; Cumulative Review and Test Prep, p. 249, Ex. 11–12; Section A Review, p. 274, Ex. 6, F–G; Diagnostic Checkpoint, p. 275, Ex. 12; Test Talk, p. 299, Ex. 2, 4; Key Vocabulary and Concept Review, p. 300, Ex. 2; Chapter Test, p. 303, Ex. 30; Cumulative Review and Test Prep, p. 305, Ex. 22; Reteaching, p. 307, Set 5-4; More Practice, p. 311, Set 5-4, Ex. 1-3; Diagnosing Readiness, p. 315, Ex. 20–22; Lesson 6-1, p. 317, Ex. 28; Section A Review, p. 336, Ex. 31, H–I; Diagnostic Checkpoint, p. 337, Ex. 30; Section B Review, p. 350, Ex. 13, E; Diagnostic Checkpoint, p. 351, Ex. 15–16; Test Talk, pp. 352–353, Ex. 1–2; Key Vocabulary and Concept Review, p. 354, Ex. 2; Chapter Test, pp. 356–357, Ex. 8, 29, 32; Cumulative Review and Test Prep, p. 359, Ex. 15–16; Reteaching, pp. 361–363, Set 6-6, Ex. 1–2, Set 6-10, Ex. 1–3; More Practice, pp. 365–367, Set 6-6, Ex. 1–2, Set 6-10, Ex. 1–5; Cumulative Review and Test Prep, p. 417, Ex. 19; Key Vocabulary and Concept Review, p. 483, Ex. 5; Chapter Test, p. 485, Ex. 18; Cumulative Review and Test Prep, p. 487, Ex. 12–13, 15; Cumulative Review and Test Prep, p. 553, Ex. 19; Section B Review, p. 592, Ex. 5, E–F; Diagnostic Checkpoint, p. 593, Ex. 8; Cumulative Review and Test Prep, p. 601, Ex. 19; Reteaching, p. 605, Set 10-8, Ex. 1; More Practice, p. 609, Set 10-8, Ex. 1; Cumulative Review and Test Prep, p. 669, Ex. 18, 21; More Practice, p. 674, Set 11-3, Ex. 1–4</p>
<p>5.02 Extend and find missing terms of repeating and growing patterns.</p>	<p>Lesson 1-9, pp. 24–27, Ex. 1–3, 8–13; Lesson 5-4, pp. 270–273, Ex. 1–6, 10; Lesson 8-3, pp. 436–439, Ex. 1–2</p>	<p>Warm Up, p. 4, Ex. 1–3; Lesson 1-10, p. 31, Ex. 42; Section B Review, p. 34, Ex. 5–6, C; Diagnostic Checkpoint, p. 35, Ex. 2; Key Vocabulary and Concept Review, p. 51, Ex. 5; Chapter Test, p. 52, Ex. 5; Cumulative Review and Test Prep, pp. 54–55, Ex. 1, 20, 23; Reteaching, p. 58, Set 1-9, Ex. 1–3; Warm Up, p. 72, Ex. 1–2; Cumulative Review and Test Prep, p. 115, Ex. 12, 15; Lesson 3-3, p. 135, Ex. 32; Diagnosing Readiness, p. 191, Ex. 8–12; Lesson 4-8, p. 217, Ex. 4; Lesson 4-10, p. 223, Ex. 13; Warm Up, p. 226, Ex. 3; Cumulative Review and Test Prep, p. 249, Ex. 11–12; Diagnosing Readiness, p. 259, Ex. 12–15; Section A Review, p. 274, Ex. 6; Diagnostic Checkpoint, p. 275, Ex. 12; Lesson 5-5, p. 279, Ex. 27; Discovery Channel, p. 279, Ex. 1–2; Lesson 5-6, p. 281, Ex. 27; Learning with Technology, p. 291, Ex. 1–5; Chapter Test, p. 303, Ex. 30; Reteaching, p. 307, Set 5-4; More Practice, p. 311, Set 5-4, Ex. 1–3; Lesson 6-2, p. 319, Ex. 28; Lesson 6-7, p. 339, Ex. 9; Chapter Test, p. 356, Ex. 4; Cumulative Review and Test Prep, p. 359, Ex. 15–16; More Practice, p. 364, Set 6-2, Ex. 10; Cumulative Review and Test Prep, p. 417, Ex. 16, 20; Lesson 8-4, p. 443, Ex. 19; Cumulative Review and Test Prep, p. 487, Ex. 12–13, 15; Reteaching, p. 488, Set 8-3, Ex. 1; More Practice, p. 492, Set 8-3, Ex. 1–2; Warm Up, p. 504, Ex. 1–3; Warm Up, p. 536, Ex. 1–3; Lesson 11-10, p. 641, Ex. 22; Cumulative Review and Test Prep, p. 721, Ex. 20</p>



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Competency Goal 5 (continued)

Objectives	Instruction and Practice	Additional Practice and Assessment
5.03 Use symbols to represent unknown quantities in number sentences.	Lesson 2-4, pp. 76–77, Ex. 1–3; Lesson 3-14, pp. 168–169, Ex. 4–7, 14–20, 22	Lesson 1-2, p. 7, Ex. 17; Lesson 1-9, p. 27, Ex. 25–27; Enrichment, p. 31, Ex. 1–3; Cumulative Review and Test Prep, p. 55, Ex. 18–19; Lesson 2-1, pp. 67–68, Ex. 4–6, 14–21, 26; Lesson 2-2, p. 71, Ex. 1–6, 8–13, 17–19; Lesson 2-3, p. 73, Ex. 11–14; Reading for Math Success, pp. 74–75, Ex. 1–15; Section A Review, p. 78, Ex. 4–5, 7, E–F; Diagnostic Checkpoint, p. 79, Ex. 1, 4–12; Lesson 2-5, p. 81, Ex. 19; Learning with Technology, p. 89, Ex. 1–3; Warm Up, p. 96, Ex. 1–5; Lesson 2-10, p. 97, Ex. 15–17; Chapter Test, pp. 112–113, Ex. 1, 3, 10, 27; Cumulative Review and Test Prep, p. 115, Ex. 14; Reteaching, pp. 116–117, Set 2-1, Ex. 1–5, Set 2-2, Ex. 1–3, Set 2-4, Ex. 1–2; More Practice, pp. 120–123, Set 2-1, Ex. 7–14, Set 2-2, Ex. 1–14, Set 2-4, Ex. 1–5, Set 2-10, Ex. 5–8; Lesson 3-9, p. 155, Ex. 34–35; Warm Up, p. 168, Ex. 1–3; Section C Review, p. 172, Ex. 8–9, H; Diagnostic Checkpoint, p. 173, Ex. 1, 13–14; Test Talk, p. 175, Ex. 2, 4; Key Vocabulary and Concept Review, p. 177, Ex. 4; Chapter Test, p. 178, Ex. 8; Cumulative Review and Test Prep, p. 181, Ex. 19, 22–23; Reteaching, p. 185, Set 3-14, Ex. 1–2; More Practice, p. 189, Set 3-14, Ex. 5–7; Cumulative Review and Test Prep, p. 249, Ex. 13–14; Lesson 5-2, p. 264, Ex. 6–8, 15–17; Enrichment, p. 265, Ex. 1–2; Lesson 5-10, p. 291, Ex. 37–39; Lesson 5-11, p. 293, Ex. 28–30; Cumulative Review and Test Prep, p. 305, Ex. 18–19; More Practice, p. 313, Set 5-11, Ex. 19–21; Lesson 6-3, p. 323, Ex. 46; Chapter Test, p. 356, Ex. 11; Cumulative Review and Test Prep, p. 359, Ex. 12–14; Chapter Test, p. 415, Ex. 32; Cumulative Review and Test Prep, p. 417, Ex. 17–18; Lesson 8-3, p. 439, Ex. 13; Cumulative Review and Test Prep, p. 487, Ex. 14, 16; Cumulative Review and Test Prep, p. 601, Ex. 18; Lesson 11-1, p. 614, Ex. 24–26; Lesson 11-5, p. 629, Ex. 20–23; Lesson 11-14, p. 655, Ex. 26; Cumulative Review and Test Prep, p. 669, Ex. 16; Cumulative Review and Test Prep, p. 721, Ex. 16–17
5.04 Find the value of the unknown in a whole number sentence.	Lesson 2-4, pp. 76–77, Ex. 1–3; Lesson 3-14, pp. 168–169, Ex. 4–7, 14–20, 22; Lesson 5-2, pp. 262–265, Ex. 6–8, 15–17	Lesson 1-2, p. 7, Ex. 17; Lesson 1-9, p. 27, Ex. 25–27; Enrichment, p. 31, Ex. 1–3; Cumulative Review and Test Prep, p. 55, Ex. 18–19; Lesson 2-1, pp. 67–68, Ex. 4–6, 14–21, 26; Lesson 2-2, p. 71, Ex. 1–6, 8–13, 17–19; Lesson 2-3, p. 73, Ex. 11–14; Reading for Math Success, pp. 74–75, Ex. 1–15; Section A Review, p. 78, Ex. 4–5, 7, E–F; Diagnostic Checkpoint, p. 79, Ex. 1, 4–12; Lesson 2-5, p. 81, Ex. 19; Learning with Technology, p. 89, Ex. 1–3; Warm Up, p. 96, Ex. 1–5; Lesson 2-10, p. 97, Ex. 15–17; Chapter Test, pp. 112–113, Ex. 1, 3, 10, 27; Reteaching, pp. 116–117, Set 2-1, Ex. 1–5, Set 2-2, Ex. 1–3, Set 2-4, Ex. 1–2; More Practice, pp. 120–123, Set 2-1, Ex. 7–14, Set 2-2, Ex. 1–14, Set 2-4, Ex. 1–5, Set 2-10, Ex. 5–8; Lesson 3-9, p. 155, Ex. 34–35; Warm Up, p. 168, Ex. 1–3; Section C Review, p. 172, Ex. 8–9, H; Diagnostic Checkpoint, p. 173, Ex. 1, 13–14; Test Talk, p. 175, Ex. 2, 4; Key Vocabulary and Concept Review, p. 177, Ex. 4; Chapter Test, p. 178, Ex. 8; Cumulative Review and Test Prep, p. 181, Ex. 19, 22–23; Reteaching, p. 185, Set 3-14, Ex. 1–2; More Practice, p. 189, Set 3-14, Ex. 5–7; Cumulative Review and Test Prep, p. 249, Ex. 13–14; Lesson 5-2, p. 264, Ex. 6–8, 15–17; Enrichment, p. 265, Ex. 1–2; Lesson 5-10, p. 291, Ex. 37–39; Lesson 5-11, p. 293, Ex. 28–30; Cumulative Review and Test Prep, p. 305, Ex. 18–19; More Practice, p. 313, Set 5-11, Ex. 19–21; Lesson 6-3, p. 323, Ex. 46; Chapter Test, p. 356, Ex. 11; Cumulative Review and Test Prep, p. 359, Ex. 12–14; Chapter Test, p. 415, Ex. 32; Cumulative Review and Test Prep, p. 417, Ex. 17–18; Lesson 8-3, p. 439, Ex. 13; Cumulative Review and Test Prep, p. 487, Ex. 14, 16; Cumulative Review and Test Prep, p. 601, Ex. 18; Lesson 11-1, p. 614, Ex. 24–26; Lesson 11-5, p. 629, Ex. 20–23; Lesson 11-14, p. 655, Ex. 26; Cumulative Review and Test Prep, p. 669, Ex. 16; Cumulative Review and Test Prep, p. 721, Ex. 16–17



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Major Concepts/Skills

- Number sense 0.01–99,999
- Multiplication and division of multi-digit numbers
- Perimeter and area
- Transformations
- Line graphs
- Median, mode, and range
- Variables in number sentences
- Proportional reasoning
- Students will solve relevant and authentic problems using appropriate technology and apply these concepts as well as those developed in earlier years

Concepts/Skills to Maintain

- Whole number computation
- Non-negative rational numbers
- Length, time, capacity, and mass
- Symmetry and congruence
- Coordinate grids
- Circle graphs
- Permutations and combinations

Competency Goal 1

The learner will read, write, model, and compute with non-negative rational numbers.

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>1.01 Develop number sense for non-negative rational numbers 0.01 through 99,999.</p> <p>a) Connect model, number word, and number using a variety of representations.</p> <p>b) Build understanding of place value (hundredths through ten thousands)</p> <p>c) Compare and order rational numbers.</p> <p>d) Make estimates of rational numbers in appropriate situations.</p>	<p>Lesson 1-1, pp. 4–7, Ex. 6–12, 15, 20–24; Lesson 1-3, pp. 10A–10B, 10–11, Ex. 1–20, 24; Lesson 1-5, Ex. 1–2, 4–7, 9–10, 13, 22–29; Lesson 1-6, pp. 20–21, Ex. 1–2, 6–10, 16, 19–22, 24; Lesson 1-7, pp. 22–23, Ex. 1–4, 6, 9, 13; Lesson 1-9, pp. 28–29, Ex. 1–6, 11–13; Lesson 1-12, Ex. 1–22, 24; Lesson 9-8, pp. 522A–522B, 522–523, Ex. 1–17, 19–24, 30; Lesson 9-9, pp. 524A–524B, 524–427, Ex. 1–42; Lesson 9-11, pp. 534A–534B, 534–535, Ex. 1–18, 20, 25; Lesson 11-1, pp. 624A–624B, 624–627, Ex. 1–33, 35; Lesson 11-2, pp. 628A–628B, 628–629, Ex. 1–13, 15–18; Lesson 11-3, pp. 630A–630B, 630–631, Ex. 1–32; Lesson 11-4, pp. 632A–632B, 632–633, Ex. 1–32; Lesson 11-15, pp. 666–667, Ex. 2, 4</p>	<p>Diagnosing Readiness, pp. 2–3, Ex. 1–2, 4–22; Warm Up, p. 4, Ex. 1–3; Warm Up, p. 8, Ex. 3; Warm Up, p. 10, Ex. 1; Section A Review, p. 14, Ex. 1–2, 7–12, A, E; Diagnostic Checkpoint, p. 15, Ex. 1–2, 5–6, 14; Warm Up, p. 16, Ex. 1–3; Discovery Channel, p. 19, Ex. 1–3; Warm Up, p. 20, Ex. 1–4; Warm Up, p. 22, Ex. 1–2; Section B Review, p. 26, Ex. 1–2, 4–5, 8–9, A–E; Diagnostic Checkpoint, p. 27, Ex. 1–2, 7–10, 12–13; Warm Up, p. 28, Ex. 1; Lesson 1-10, p. 31, Ex. 21–22; Lesson 1-11, p. 33, Ex. 24; Warm Up, p. 34, Ex. 1–2; Section C Review, p. 43, Ex. 6–8, B, E–F; Diagnostic Checkpoint, p. 44, Ex. 1, 3, 9; Test Talk, p. 44, Ex. 1; Key Vocabulary and Concept Review, pp. 46–47, Ex. 2, 5; Chapter Test, pp. 48–49, Ex. 3–4, 7, 10, 17–18, 21–23; Cumulative Review and Test Prep, p. 50, Ex. 4; Reteaching, pp. 52–55, Set 1-1, Ex. 1, 4, 6–7, Set 1-3, Ex. 1–6, Set 1-5, Ex. 1–2, Set 1-6, Ex. 1, 4–5, Set 1-7, Ex. 1–2, Set 1-12, Ex. 1–4; More Practice, pp. 56–59, Set 1-1, Ex. 3–4, 6, 8, 10, Set 1-3, Ex. 1–5, 9, Set 1-5, Ex. 1, Set 1-6, Ex. 1, 4–5, 7, 9, Set 1-7, Ex. 1–2, Set 1-9, Ex. 1–2, 7, Set 1-12, Ex. 1–9; Diagnosing Readiness, p. 60, Ex. 1, 4–16; Lesson 2-6, p. 81, Ex. 25; Lesson 2-8, p. 87, Ex. 24; Cumulative Review and Test Prep, p. 112, Ex. 1–3; Lesson 3-3, p. 135, Ex. 51; Lesson 3-5, p. 143, Ex. 17; Lesson 3-6, p. 147, Ex. 10–11; Lesson 3-7, p. 149, Ex. 16–18; Cumulative Review and Test Prep, p. 178, Ex. 1, 4; Diagnosing Readiness, pp. 188–189, Ex. 13–28; Warm Up, p. 190, Ex. 1–4; Lesson 4-9, p. 215, Ex. 35; Warm Up, p. 226, Ex. 1–3; Cumulative Review and Test Prep, p. 244, Ex. 3; Lesson 5-1, p. 257, Ex. 25; Cumulative Review and Test Prep, p. 302, Ex. 4; Cumulative Review and Test Prep, p. 354, Ex. 1, 4; Warm Up, p. 368, Ex. 1–6; Cumulative Review and Test Prep, p. 422, Ex. 4; Lesson 9-6, p. 519, Ex. 29; Warm Up, p. 524, Ex. 1–3; Lesson 9-11, p. 535, Ex. 25; Lesson 10-2, p. 567, Ex. 40–42; Cumulative Review and Test Prep, p. 612, Ex. 3; Diagnosing Readiness, p. 622, Ex. 2, 4–8; Warm Up, p. 628, Ex. 1–4; Warm Up, p. 630, Ex. 1–4; Warm Up, p. 632, Ex. 1–4; Section A Review, p. 634, Ex. 1–19, A–H; Diagnostic Checkpoint, p. 635, Ex. 1–25; Lesson 11-5, p. 637, Ex. 24–27; Warm Up, p. 638, Ex. 1–4; Lesson 11-12, p. 660, Ex. 30; Key Vocabulary and Concept Review, p. 672, Ex. 1–2; Chapter Test, pp. 674–675, Ex. 1–4; Cumulative Review and Test Prep, p. 676, Ex. 3, 5–6; Reteaching, pp. 678–679, Set 11-1, Ex. 1–4, Set 11-2, Ex. 1–3, Set 11-3, Ex. 1–7, Set 11-4, Ex. 1–6; More Practice, pp. 682–683, Set 11-1, Ex. 1–12, Set 11-2, Ex. 1–10, Set 11-3, Ex. 1–12, Set 11-4, Ex. 1–11; Cumulative Review and Test Prep, p. 726, Ex. 1, 6</p>



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Competency Goal 1 (continued)

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>1.02 Develop fluency with multiplication and division:</p> <p>a) Two-digit by two-digit multiplication (larger numbers with calculator).</p> <p>b) Up to three-digit by two-digit division (larger numbers with calculator).</p> <p>c) Strategies for multiplying and dividing numbers.</p> <p>d) Estimation of products and quotients in appropriate situations.</p> <p>e) Relationships between operations.</p>	<p>Lesson 3-7, pp. 148A–148B, 148–149, Ex. 1–15; Lesson 5-1, pp. 256A–256B, 256–257, Ex. 1–23; Lesson 5-2, pp. 258A–258B, 258–261, Ex. 1–33, 36–39, 41; Lesson 5-4, pp. 264A–264B, 264–267, Ex. 1–18; Lesson 5-5, pp. 270A–270B, 270–273, Ex. 1–43, 45–47, 49; Lesson 5-6, pp. 274A–274B, 274–275, Ex. 1–31; Lesson 6-1, pp. 314A–314B, 314–315, Ex. 1–23, 25; Lesson 6-2, pp. 316B, 316–319, Ex. 1–24, 27–35; Lesson 6-3, pp. 320A–320B, 320–323, Ex. 1–19, 21, 24–27; Lesson 6-5, pp. 332A–332B, 332–335, Ex. 1–27, 29, 36; Lesson 6-6, pp. 336A–336B, 336–337, Ex. 1–22, 27–32; Lesson 7-1, pp. 366A–366B, 366–367, Ex. 1–21; Lesson 7-2, pp. 368A–368B, 368–371, Ex. 1–29, 31–39; Lesson 7-7, pp. 386A–386B, 386–389, Ex. 1–29, 33–37; Lesson 7-8, pp. 390A–390B, 390–391, Ex. 1–28, 30, 33–35; Lesson 7-11, pp. 402A–402B, 402–403, Ex. 1–23; Lesson 7-13, pp. 406A–406B, 406–407, Ex. 1–21; Lesson 7-14, pp. 408A–408B, 408–411, Ex. 1–30, 37</p> <p>Chapter 3: Investigation, pp. 122I–122J</p> <p>Chapter 5: Investigation, pp. 254I–254J</p> <p>Chapter 6: Investigation, pp. 312I–312J</p> <p>Chapter 7: Investigation, pp. 364I–364J</p>	<p>Lesson 3-8, p. 151, Ex. 29; Section B Review, p. 158, Ex. 3–5, C–D; Diagnostic Checkpoint, p. 159, Ex. 14; Chapter Test, p. 176, Ex. 8; Cumulative Review and Test Prep, p. 178, Ex. 3; Reteaching, p. 181, Set 3-7, Ex. 1–4; More Practice, p. 185, Set 3-7, Ex. 1–10; Cumulative Review and Test Prep, p. 244, Ex. 2; Warm Up, p. 262, Ex. 1, 4–5; Enrichment, p. 267, Ex. 1–4; Learning with Technology, p. 267, Ex. 1–4; Section A Review, p. 268, Ex. 1–12, 19–20, A–D, G–H; Diagnostic Checkpoint, p. 269, Ex. 1–7, 13–28; Discovery Channel, p. 273, Ex. 1–3; Lesson 5-7, p. 281, Ex. 15–19; Section B Review, p. 284, Ex. 1–12, A–D; Diagnostic Checkpoint, p. 285, Ex. 1–10, 16–17; Warm Up, p. 286, Ex. 1–6; Lesson 5-9, p. 287, Ex. 25, 28–29; Warm Up, p. 288, Ex. 1–6; Test Talk, pp. 296–297, Ex. 1, 3; Key Vocabulary and Concept Review, pp. 298–299, Ex. 1–4; Chapter Test, pp. 300–301, Ex. 1–3, 5–6, 9, 11, 12–19, 21, 23, 30, 33; Cumulative Review and Test Prep, pp. 302–303, Ex. 2, 7, 18; Reteaching, pp. 304–305, Set 5-1, Ex. 1–8, Set 5-2, Ex. 1–12, Set 5-4, Ex. 1–6, Set 5-5, Ex. 1–6, Set 5-6, Ex. 1–6; More Practice, pp. 308–309, Set 5-1, Ex. 1–26, Set 5-2, Ex. 1–26, Set 5-4, Ex. 1–16, Set 5-5, Ex. 1–16, Set 5-6, Ex. 1–16; Diagnosing Readiness, p. 313, Ex. 10–33; Warm Up, p. 314, Ex. 1–6; Warm Up, p. 316, Ex. 1–4; Learning with Technology, p. 319, Ex. 1–4; Warm Up, p. 320, Ex. 1–4; Lesson 6-4, p. 329, Ex. 15; Section A Review, p. 330, Ex. 1–14, A–D; Diagnostic Checkpoint, p. 331, Ex. 1–12, 15–18, 20; Discovery Channel, p. 335, Ex. 1–2; Warm Up, p. 336, Ex. 1–4; Warm Up, p. 338, Ex. 1–4; Lesson 6-7, p. 339, Ex. 21; Warm Up, p. 340, Ex. 1–4; Section B Review, p. 346, Ex. 1–14, B–D; Diagnostic Checkpoint, p. 347, Ex. 1–10; Key Vocabulary and Concept Review, pp. 350–351, Ex. 1–3; Chapter Test, pp. 352–353, Ex. 1–9, 11–16, 18–25; Cumulative Review and Test Prep, p. 354, Ex. 3; Reteaching, pp. 356–358, Set 6-1, Ex. 1–16, Set 6-2, Ex. 1–3, 9–11, 15–16, Set 6-3, Ex. 1–10, Set 6-5, Ex. 1–6, Set 6-6, Ex. 1–8; More Practice, pp. 360–362, Set 6-1, Ex. 1–29, Set 6-2, Ex. 1–6, 13–18, Set 6-3, Ex. 1–17, Set 6-5, Ex. 1–22, Set 6-6, Ex. 1–22; Diagnosing Readiness, pp. 364–365, Ex. 3–10, 22–26, 28–29; Lesson 7-3, p. 373, Ex. 25–29; Learning with Technology, p. 377, Ex. 1–11; Section A Review, p. 378, Ex. 1–12, A–D; Diagnostic Checkpoint, p. 379, Ex. 2–7, 13–17, 23–26; Warm Up, p. 380, Ex. 1–6; Lesson 7-5, p. 382, Ex. 32; Discovery Channel, p. 383, Ex. 1–2; Warm Up, p. 386, Ex. 1–4; Learning with Technology, p. 389, Ex. 1–4; Warm Up, p. 390, Ex. 1–6; Warm Up, p. 392, Ex. 1–6; Lesson 7-9, Ex. 23–27; Lesson 7-10, p. 399, Ex. 16, 24; Section B Review, p. 400, Ex. 8–16, C–D; Diagnostic Checkpoint, p. 401, Ex. 1, 5–10, 22–23; Lesson 7-12, p. 405, Ex. 17; Warm Up, p. 406, Ex. 1–3; Lesson 7-13, p. 407, Ex. 25; Warm Up, p. 408, Ex. 1–6; Lesson 7-14, p. 411, Ex. 31; Section C Review, p. 414, Ex. 1–6, 11–22, A–B; Diagnostic Checkpoint, p. 415, Ex. 1–15, 18; Key Vocabulary and Concept Review, pp. 418–419, Ex. 1–4; Chapter Test, pp. 420–421, Ex. 1–2, 7–8, 10, 13–18, 20, 22–23, 28, 30; Cumulative Review and Test Prep, pp. 422–433, Ex. 5, 9, 22; Reteaching, pp. 424–427, Set 7-1, Ex. 1–4, Set 7-2, Ex. 1–6, Set 7-7, Ex. 1–10, Set 7-8, Ex. 1–12, Set 7-13, Ex. 1–4, Set 7-11, Ex. 1–12, Set 7-14, Ex. 1–8; More Practice, pp. 428–431, Set 7-1, Ex. 1–11, Set 7-2, Ex. 1–11, Set 7-7, Ex. 1–11, Set 7-8, Ex. 1–11, Set 7-11, Ex. 1–15, Set 7-13, Ex. 1–14, Set 7-14, Ex. 1–17; Lesson 8-1, p. 437, Ex. 21; Warm Up, p. 468, Ex. 5–6; Cumulative Review and Test Prep, p. 488–489, Ex. 1–2, 5, 9–10, 14; Lesson 9-1, p. 501, Ex. 20; Lesson 9-2, p. 503, Ex. 30; Lesson 9-10, p. 533, Ex. 39; Lesson 9-12, p. 537, Ex. 16; Cumulative Review and Test Prep, p. 550, Ex. 2; Lesson 10-2, p. 567, Ex. 46–47; Lesson 10-4, p. 577, Ex. 40; Cumulative Review and Test Prep, p. 612, Ex. 2, 5; Cumulative Review and Test Prep, p. 726, Ex. 3</p>



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Competency Goal 1 (continued)

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>1.03 Solve problems using models, diagrams, and reasoning about fractions and relationships among fractions involving halves, fourths, eighths, thirds, sixths, twelfths, fifths, tenths, hundredths, and mixed numbers.</p>	<p>Lesson 9-1, pp. 500–501, Ex. 14–17; Lesson 9-2, pp. 502–503, Ex. 1, 22–28; Lesson 9-3, pp. 504–507, Ex. 21–24; Lesson 9-4, pp. 508–509, Ex. 13–15; Lesson 9-6, pp. 516–519, Ex. 17–22; Lesson 9-7, pp. 520–521, Ex. 26–29; Lesson 9-13, pp. 538–539, Ex. 3–4, 9; Lesson 9-14, pp. 540–541, Ex. 4–5 Chapter 9: Investigation, pp. 498I–498J</p>	<p>Discovery Channel, p. 507, Ex. 1; Diagnostic Checkpoint, p. 515, Ex. 1–2, 20; Diagnostic Checkpoint, p. 529, Ex. 2, 13–16; Warm Up, p. 530, Ex. 1; Section C Review, p. 542, Ex. 10, E–F; Test Talk, p. 545, Ex. 2–3; Chapter Test, p. 549, Ex. 22; Cumulative Review and Test Prep, p. 550, Ex. 1; Reteaching, p. 555, Set 9-13, Ex. 1; More Practice, pp. 556–559, Set 9-1, Ex. 5, Set 9-2, Ex. 9, Set 9-5, Ex. 2, Set 9-13, Ex. 1</p>
<p>1.04 Develop fluency with addition and subtraction of non-negative rational numbers with like denominators, including decimal fractions through hundredths.</p> <p>a) Develop and analyze strategies for adding and subtracting numbers.</p> <p>b) Estimate sums and differences.</p> <p>c) Judge the reasonableness of solutions.</p>	<p>Lesson 10-1, pp. 562–563; Lesson 10-2, pp. 564A–564B, 564–567, Ex. 1–27; Lesson 10-4, pp. 574A–574B, 574–577, Ex. 1–28, 33–34; Lesson 11-5, pp. 636–637, Ex. 1, 3–8, 12, 14–22; Lesson 11-6, pp. 638–641, Ex. 3, 5–6, 15–17, 19–22; Lesson 11-7, pp. 642–645, Ex. 1–5, 11–13, 15, 25–29; Lesson 11-15, pp. 666–667, Ex. 5 Chapter 10: Investigation, pp. 560I</p>	<p>Cumulative Review and Test Prep, p. 244, Ex. 2; Cumulative Review and Test Prep, p. 488, Ex. 4; Diagnosing Readiness, p. 560, Ex. 5–9; Enrichment, p. 567, Ex. 1–4; Warm Up, p. 568, Ex. 1–6; Lesson 10-3, p. 571, Ex. 34–38; Section A Review, p. 572, Ex. 2, 9, 11–24, A, C–D; Diagnostic Checkpoint, p. 573, Ex. 1, 8–9, 12–13, 18–21, 23; Warm Up, p. 574, Ex. 1–4; Enrichment, p. 577, Ex. 1–5; Warm Up, p. 578, Ex. 1–2; Lesson 10-5, p. 581, Ex. 37–40; Learning with Technology, p. 581, Ex. 3–4, 7–8, 11; Section B Review, p. 586, Ex. 1–10, A–B; Diagnostic Checkpoint, p. 587, Ex. 2–4, 8–9, 13–14; Key Vocabulary and Test Prep, p. 608, Ex. 2; Chapter Test, pp. 610–611, Ex. 2, 4, 16–17; Reteaching, pp. 614–615, Set 10-2, Ex. 1–7, Set 10-4, Ex. 1–5; More Practice, pp. 618–619, Set 10-2, Ex. 1–16, Set 10-4, Ex. 1–11; Diagnosing Readiness, p. 623, Ex. 9–15; Section B Review, p. 650, Ex. 1–2, 4, 6–7, 9, 12–13, 15, 19, C; Diagnostic Checkpoint, p. 651, Ex. 1–2, 5, 11–12, 14–15, 20; Lesson 11-9, p. 653, Ex. 15, 17; Lesson 11-11, p. 657, Ex. 15–16; Chapter Test, pp. 674–675, Ex. 5, 16, 20; Reteaching, pp. 679–680, Set 11-5, Ex. 3–4, Set 11-6, Ex. 2–4, Set 11-7, Ex. 1–2; More Practice, pp. 683–684, Set 11-5, Ex. 1, 3–9, Set 11-6, Ex. 2–3, 5–7, Set 11-7, Ex. 1, 3, 5–8; Discovery Channel, p. 703, Ex. 2</p>



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Competency Goal 1 (continued)

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>1.05 Develop flexibility in solving problems by selecting strategies and using mental computation, estimation, calculators or computers, and paper and pencil.</p>	<p>Lesson 1-4, pp. 12B, 12–13, Ex. 1–6; Lesson 1-8, pp. 24–25, Ex. 1–9; Lesson 1-13, pp. 38A–38B, 38–39, Ex. 1–11; Lesson 2-1, pp. 62–63, Ex. 19–24; Lesson 2-2, pp. 64–67, Ex. 27–30; Lesson 2-3, pp. 68–71, Ex. 23–26; Lesson 2-4, pp. 72–73, Ex. 19; Lesson 2-8, pp. 86–87, Ex. 19; Lesson 2-14, pp. 102–103, Ex. 1, 3, 5; Lesson 3-15, pp. 168–169, Ex. 1–5; Lesson 4-15, pp. 234–235, Ex. 2, 5; Lesson 5-2, pp. 58–61, Ex. 21–22; Lesson 5-3, pp. 262–263, Ex. 30–35; Lesson 5-7, pp. 278–281, Ex. 1–10, 14; Lesson 5-8, pp. 282–283, Ex. 18–20, 25; Lesson 5-12, pp. 292–293, Ex. 1–7; Lesson 6-1, pp. 314–315, Ex. 19–21; Lesson 6-2, pp. 316–319, Ex. 24, 26; Lesson 6-7, pp. 338–339, Ex. 18–19, 21; Lesson 6-10, pp. 344–345, Ex. 1–8; Lesson 7-1, pp. 366–367, Ex. 19–20; Lesson 7-2, pp. 368–371, Ex. 27–30, 38; Lesson 7-6, pp. 384A–384B, 384–385, Ex. 1–10; Lesson 7-13, pp. 406–407, Ex. 19–21; Lesson 7-15, pp. 412–413, Ex. 1, 3, 5, 7–8; Lesson 8-14, pp. 478–479, Ex. 3–4; Lesson 9-14, pp. 540–541, Ex. 1–2; Lesson 10-12, pp. 600–601, Ex. 6–9; Lesson 10-13, pp. 602–603, Ex. 1, 5; Lesson 11-8, pp. 648B, 648–649, Ex. 1–4; Lesson 12-9, pp. 714–715, Ex. 6; Lesson 12-10, pp. 716–717, Ex. 1–5</p>	<p>Section A Review, p. 14, Ex. 13–14, G–H; Diagnostic Checkpoint, p. 15, Ex. 11–12; Section B Review, p. 26, Ex. 14, G–H; Diagnostic Checkpoint, p. 27, Ex. 10–11; Section C Review, p. 42, Ex. 9, G–H; Test Talk, p. 44, Ex. 2, 4; Key Vocabulary and Concept Review, p. 47, Ex. 7; Reteaching, pp. 53–54, Set 1-4, Ex. 1–3, Set 1-8, Ex. 1–3; More Practice, pp. 57–59, Set 1-4, Ex. 1-3, Set 1-8, Ex. 1–2, Set 1-13, Ex. 1–3; Discovery Channel, p. 67, Ex. 1–2; Diagnostic Checkpoint, p. 75, Ex. 1–2, 15–17; Diagnostic Checkpoint, p. 93, Ex. 17; Test Talk, pp. 106–107, Ex. 1, 4; Key Vocabulary and Concept Review, p. 109, Ex. 3; Chapter Test, p. 111, Ex. 28; Reteaching, p. 116, Set 2-8, Ex. 1–2; More Practice, p. 120, Set 2-8, Ex. 5; Cumulative Review and Test Prep, p. 244, Ex. 1, 4; Section B Review, p. 284, Ex. 13, E–F; Diagnostic Checkpoint, p. 285, Ex. 14–15; Test Talk, pp. 296–297, Ex. 1, 3; Key Vocabulary and Concept Review, p. 299, Ex. 4; Chapter Test, pp. 300–301, Ex. 8, 34; Reteaching, p. 306, Set 5-7, Ex. 1–2; More Practice pp. 308–310, Set 5-1, Ex. 26, Set 5-2, Ex. 26, Set 5-3, Ex. 26, Set 5-7, Ex. 1–3, 5; Diagnostic Checkpoint, p. 331, Ex. 1–2; Discovery Channel, p. 335, Ex. 1–2; Lesson 6-8, p. 341, Ex. 29; Chapter Test, p. 353, Ex. 27; Cumulative Review and Test Prep, p. 355, Ex. 12; More Practice, pp. 360–363, Set 6-1, Ex. 21–29, Set 6-2, Ex. 29, Set 6-7, Ex. 16; Diagnostic Checkpoint, p. 379, Ex. 23–24; Discovery Channel, p. 383, Ex. 1–2; Lesson 7-7, p. 389, Ex. 38; Section B Review, p. 400, Ex. 7, B; Key Vocabulary and Concept Review, p. 419, Ex. 6; Chapter Test, pp. 420–421, Ex. 6, 26–27, 29; Reteaching, p. 425, Set 7-6, Ex. 1–2; More Practice, pp. 428–431, Set 7-2, Ex. 11, Set 7-6, Ex. 1–5, Set 7-13, Ex. 14; Chapter Test, p. 611, Ex. 28; Reteaching, p. 617, Set 10-12, Ex. 1–2; More Practice, p. 621, Set 10-12, Ex. 2–3; Section B Review, p. 650, Ex. 21, E–F; Diagnostic Checkpoint, p. 651, Ex. 18–19; Key Vocabulary and Concept Review, p. 673, Ex. 5; Chapter Test, p. 675, Ex. 30; Reteaching, p. 680, Set 11-8, Ex. 1; More Practice, p. 684, Set 11-8, Ex. 1–2; Reteaching, p. 730, Ex. 2; More Practice, p. 733, Set 12-9, Ex. 3</p>

Competency Goal 2

The learner will understand and use perimeter and area.

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>2.01 Develop strategies to determine the area of rectangles and the perimeter of plane figures.</p>	<p>Lesson 8-10, pp. 464–467, Talk About It, Ex. 1–3; Lesson 8-11, pp. 468–471, Talk About It, Ex. 1–2 Chapter 8: Investigation, p. 432J</p>	<p>Cumulative Review and Test Prep, p. 113, Ex. 6; Cumulative Review and Test Prep, p. 354, Ex. 6–7; Section C Review, p. 480, Ex. A–B; Diagnostic Checkpoint, p. 481, Ex. 15; Test Talk, p. 483, Ex. 2</p>



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Competency Goal 2 (continued)

Objectives	Instruction and Practice	Additional Practice and Assessment
2.02 Solve problems involving perimeter of plane figures and areas of rectangles.	Lesson 8-10, pp. 464–467, Ex. 10–16; Lesson 8-11, pp. 468–471, Ex. 10–16, 19; Lesson 8-12, pp. 474–475, Ex. 1–2, 6; Lesson 8-14, pp. 478–479, Ex. 1	Cumulative Review and Test Prep, p. 112, Ex. 4; Cumulative Review and Test Prep, p. 244, Ex. 5; Cumulative Review and Test Prep, p. 422, Ex. 11; Enrichment, p. 471, Ex. 1–2; Lesson 8-13, p. 477, Ex. 12; Section C Review, p. 480, Ex. 4, C–D; Diagnostic Checkpoint, p. 481, Ex. 1–2; Key Vocabulary and Concept Review, p. 485, Ex. 5; Chapter Test, p. 487, Ex. 21, 23; Cumulative Review and Test Prep, p. 488, Ex. 8; Reteaching, p. 493, Set 8-12, Ex. 1; More Practice, p. 497, Set 8-11, Ex. 5–6, Set 8-12, Ex. 2; Lesson 9-5, p. 513, Ex. 4–5; Cumulative Review and Test Prep, p. 550, Ex. 9; Cumulative Review and Test Prep, p. 612, Ex. 10; Cumulative Review and Test Prep, p. 676, Ex. 11

Competency Goal 3

The learner will recognize and use geometric properties and relationships.

Objectives	Instruction and Practice	Additional Practice and Assessment
3.01 Use the coordinate system to describe the location and relative position of points and draw figures in the first quadrant.	Lesson 4-9, pp. 212A–212B, 212–215, Ex. 1–33	Cumulative Review and Test Prep, p. 179, Ex. 15–16; Warm Up, p. 216, Ex. 1–4; Lesson 4-10, p. 219, Ex. 14–18; Section B Review, p. 224, Ex. 4–8, C–D; Diagnostic Checkpoint, p. 225, Ex. 5–7; Test Talk, p. 239, Ex. 2, 4; Key Vocabulary and Concept Review, p. 240, Ex. 4–5; Chapter Test, pp. 242–243, Ex. 8, 22–24; Cumulative Review and Test Prep, p. 244–245, Ex. 7–8; Reteaching, p. 248, Set 4-9, Ex. 1–6; More Practice, p. 252, Set 4-9, Ex. 1–7; Diagnosing Readiness, p. 686, Ex. 4–13
3.02 Describe the relative position of lines using concepts of parallelism and perpendicularity.	Lesson 8-3, pp. 440–443, Ex. 8, 11, 17–18, 20	Cumulative Review and Test Prep, p. 244, Ex. 6; Lesson 8-4, p. 447, Ex. 27; Section A Review, p. 450, Ex. 7; Diagnostic Checkpoint, p. 451, Ex. 18; Key Vocabulary and Concept Review, p. 484, Ex. 1; Cumulative Review and Test Prep, p. 488, Ex. 6; Reteaching, p. 490, Set 8-3, Ex. 3; More Practice, p. 494, Set 8-3, Ex. 2; Cumulative Review and Test Prep, p. 726, Ex. 8
3.03 Identify, predict, and describe the results of transformations of plane figures. a) Reflections. b) Translations. c) Rotations.	Lesson 8-6, pp. 452–455, Ex. 1–4, 6–9, 12–18	Cumulative Review and Test Prep, p. 112, Ex. 11; Warm Up, p. 456, Ex. 1–2; Section B Review, p. 462, Ex. 1–4, A; Diagnostic Checkpoint, p. 463, Ex. 2–6, 11–12; Key Vocabulary and Concept Review, p. 485, Ex. 3; Chapter Test, p. 486, Ex. 5; Cumulative Review and Test Prep, p. 488, Ex. 7; Reteaching, p. 491, Set 8-6, Ex. 1–2; More Practice, p. 495, Set 8-6, Ex. 1–8; Cumulative Review and Test Prep, p. 676, Ex. 8



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Competency Goal 4

The learner will understand and use graphs, probability, and data analysis.

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>4.01 Collect, organize, analyze, and display data (including line graphs) to solve problems.</p>	<p>Lesson 1-4, pp. 12–13, Ex. 1–6; Lesson 1-13, pp. 38–39, Ex. 5–8; Lesson 2-4, pp. 102–103, Ex. 3–5; Lesson 3-15, pp. 168–169, Ex. 6; Lesson 4-4, pp. 198–199, Ex. 1–5; Lesson 4-6, pp. 204A–204B, 204–205, Ex. 1–11; Lesson 4-7, pp. 206A–206B, 206–207, Ex. 1–12; Lesson 4-10, pp. 216A–216B, 216–219, Ex. 1–13; Lesson 4-11, pp. 222–223, Ex. 1–4, 7-8; Lesson 4-13, pp. 230B, 230–231, Ex. 1–8, 10–11; Lesson 4-14, pp. 232–233, Ex. 8–9; Lesson 4-15, pp. 234–235, Ex. 7; Lesson 5-12, pp. 292–293, Ex. 3, 6–7; Lesson 6-10, pp. 344–345, Ex. 6–8; Lesson 7-15, pp. 412–413, Ex. 5, 8; Lesson 8-14, pp. 478–479, Ex. 3–4; Lesson 9-14, pp. 540–541, Ex. 3, 6–7; Lesson 10-13, pp. 602–603, Ex. 3; Lesson 11-13, pp. 662–663, Ex. 1; Lesson 12-4, pp. 696–697, Ex. 4–9; Lesson 12-10, pp. 716–717, Ex. 5–7</p> <p>Chapter 4: Investigation, p. 188J</p>	<p>Cumulative Review and Test Prep, p. 51, Ex. 16–17; Lesson 2-10, p. 95, Ex. 12–15; Cumulative Review and Test Prep, p. 113, Ex. 7; Diagnostic Checkpoint, p. 159, Ex. 15–17; Section A Review, p. 202, Ex. F; Diagnostic Checkpoint, p. 203, Ex. 13; Lesson 4-8, p. 210, Ex. 16; Lesson 4-9, p. 215, Ex. 34; Reading for Math Success, p. 221, Ex. 3–8; Section B Review, p. 224, Ex. 1–2, 9–12, A, E–F; Diagnostic Checkpoint, p. 225, Ex. 8–12; Lesson 4-12, p. 229, Ex. 20; Section C Review, p. 236, Ex. 3–4, C–D; Diagnostic Checkpoint, p. 237, Ex. 2–4, 10; Test Talk, pp. 238–239, Ex. 1, 3; Key Vocabulary and Concept Review, p. 241, Ex. 6–7; Chapter Test, pp. 242–243, Ex. 5–7, 20–21, 26, 28; Cumulative Review and Test Prep, p. 245, Ex. 9–10, 14; Reteaching, pp. 246–249, Set 4-4, Ex. 2, Set 4-6, Ex. 1–4, Set 4-7, Ex. 1–4, Set 4-10, Ex. 1–3, Set 4-11, Ex. 1–2, Set 4-13, Ex. 1–2; More Practice, pp. 250–253, Set 4-4, Ex. 5, Set 4-6, Ex. 1–5, Set 4-7, Ex. 1–4, Set 4-10, Ex. 1–5, Set 4-13, Ex. 1–5; Diagnostic Checkpoint, p. 269, Ex. 22–25; Cumulative Review and Test Prep, p. 303, Ex. 14–17; Lesson 6-7, p. 339, Ex. 18–19, 22; Cumulative Review and Test Prep, p. 355, Ex. 8–11; Lesson 7-10, p. 399, Ex. 19–23; Cumulative Review and Test Prep, p. 423, Ex. 14–16; Cumulative Review and Test Prep, p. 489, Ex. 9–10; Cumulative Review and Test Prep, p. 613, Ex. 14–16; Section C Review, p. 668, Ex. 8, E–F; Chapter Test, p. 675, Ex. 31; Cumulative Review and Test Prep, p. 677, Ex. 15–17; Reteaching, p. 681, Set 11-13, Ex. 1; More Practice, p. 685, Set 11-14, Ex. 1; Diagnostic Checkpoint, p. 699, Ex. 17–18; Lesson 12-7, p. 709, Ex. 19–21; Test Talk, pp. 720–721, Ex. 1–2</p>
<p>4.02 Describe the distribution of data using median, range and mode.</p>	<p>Lesson 4-12, pp. 226A–226B, 226–229, Ex. 1–19; Lesson 4-15, pp. 234–235, Ex. 4</p>	<p>Cumulative Review and Test Prep, p. 113, Ex. 8; Lesson 4-13, p. 231, Ex. 12; Section C Review, p. 236, Ex. 1–2, A–B; Diagnostic Checkpoint, p. 237, Ex. 1, 5–6, 9; Chapter Test, pp. 242–243, Ex. 10, 16–17; Cumulative Review and Test Prep, p. 244, Ex. 12; Reteaching, p. 249, Set 4-12, Ex. 1–4; More Practice, p. 253, Set 4-12, Ex. 1–10; Cumulative Review and Test Prep, p. 303, Ex. 13; Cumulative Review and Test Prep, p. 355, Ex. 11; Warm Up, p. 404, Ex. 1–3; Lesson 8-11, p. 471, Ex. 18; Cumulative Review and Test Prep, p. 489, Ex. 11; Lesson 10-5, p. 581, Ex. 42; Cumulative Review and Test Prep, p. 613, Ex. 13; Cumulative Review and Test Prep, p. 677, Ex. 14</p>
<p>4.03 Solve problems by comparing two sets of related data.</p>	<p>Lesson 3-5, pp. 140–143, Ex. 2–3, 5, 8; Lesson 3-13, pp. 164–165, Ex. 5–6; Lesson 4-4, pp. 198–199, Ex. 1–5, 7; Lesson 6-9, pp. 342–343, Ex. 1–3</p>	<p>Section A Review, p. 144, Ex. 17, G–H; Diagnostic Checkpoint, p. 145, Ex. 20; Chapter Test, p. 177, Ex. 35; Reteaching, p. 181, Set 3-5, Ex. 1; Section A Review, p. 202, Ex. F; Diagnostic Checkpoint, p. 203, Ex. 13; Section C Review, p. 236, Ex. B; Diagnostic Checkpoint, p. 237, Ex. 9; Chapter Test, p. 243, Ex. 28; Reteaching, p. 246, Set 4-4, Ex. 2; More Practice, p. 250, Set 4-4, Ex. 5; Section B Review, p. 346, Ex. 15, E; Diagnostic Checkpoint, p. 347, Ex. 15; Reteaching, p. 359, Set 6-9, Ex. 1; More Practice, p. 363, Set 6-9, Ex. 1; Lesson 8-9, p. 461, Ex. 5</p>
<p>4.04 Design experiments and list all possible outcomes and probabilities for an event.</p>	<p>Lesson 12-5, pp. 700A–700B, 700–703, Ex. 1–23; Lesson 12-6, pp. 704–705, Ex. 1–2, 5; Lesson 12-7, pp. 706B, 706–709, Ex. 1–14, 16</p>	<p>Cumulative Review and Test Prep, p. 113, Ex. 9–10; Learning with Technology, p. 709; Lesson 12-8, p. 711, Ex. 10–11, 15–17; Section B Review, p. 718, Ex. 1–5, A–C; Diagnostic Checkpoint, p. 719, Ex. 1–9; Key Vocabulary and Concept Review, p. 723, Ex. 3; Chapter Test, pp. 724–725, Ex. 7, 10; Cumulative Review and Test Prep, p. 727, Ex. 14; Reteaching, pp. 729–730, Set 12-5, Ex. 1–4, Set 12-6, Ex. 1–2, Set 12-7, Ex. 1–10; More Practice, pp. 732–733, Set 12-5, Ex. 1–8, Set 12-6, Ex. 1–2, 5, Set 12-7, Ex. 1–7</p>



Correlation to North Carolina Standard Course of Study

Grade 4 Mathematics Curriculum

Competency Goal 5

The learner will demonstrate an understanding of mathematical relationships.

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>5.01 Identify, describe, and generalize relationships in which:</p> <p>a) Quantities change proportionally.</p> <p>b) Change in one quantity relates to change in a second quantity.</p>	<p>Lesson 3-5, pp. 140–143, Talk About It, Ex. 2, 4; Lesson 6-9, pp. 342–343, Ex. 1–3; Lesson 8-12, pp. 474–475, Ex. 4</p>	<p>Cumulative Review and Test Prep, p. 113, Ex. 13–14; Test Talk, p. 297, Ex. 2, 4; Section B Review, p. 346, Ex. 15, E; Diagnostic Checkpoint, p. 347, Ex. 15; Cumulative Review and Test Prep, p. 354–355, Ex. 6, 14; Reteaching, p. 359, Set 6-9, Ex. 1; More Practice, p. 363, Set 6-9, Ex. 1; Diagnostic Checkpoint, p. 481, Ex. 16; Cumulative Review and Test Prep, p. 489, Ex. 13</p>
<p>5.02 Translate among symbolic, numeric, verbal, and pictorial representations of number relationships.</p>	<p>Lesson 2-10, pp. 94A–94B, 94–95, Ex. 1–4, 6–22; Lesson 2-11, pp. 96–97, Ex. 1–2, 4–7, 9–10; Lesson 3-1, pp. 124A–124B, 124–127, Ex. 1–7, 9–11, 15, 20–23; Lesson 3-6, pp. 146–147, Ex. 1–2, 4–5; Lesson 3-10, pp. 154–155, Ex. 1–2, 4–13, 16; Lesson 3-12, pp. 160–163, Ex. 5, 17–18, 20, 22–23; Lesson 3-13, pp. 164–165, Ex. 1–7; Lesson 5-4, pp. 264–267, Ex. 1–4, 6–7, 18; Lesson 5-11, pp. 290B, 290–291, Ex. 1–6; Lesson 6-3, pp. 320–323, Ex. 1–2, 5–6, 21–23; Lesson 7-10, pp. 396–399, Ex. 1–8; Lesson 9-5, pp. 512–513, Ex. 1–3, 5; Lesson 12-2, pp. 690A–690B, 690–691, Ex. 1–14</p>	<p>Cumulative Review and Test Prep, p. 51, Ex. 22; Enrichment, p. 71, Ex. 1–4; Lesson 2-12, p. 99, Ex. 18; Section C Review, p. 104, Ex. 1–4, A–B; Diagnostic Checkpoint, p. 105, Ex. 1, 3–4, 10–11; Chapter Test, pp. 110–111, Ex. 10, 20–21; Cumulative Review and Test Prep, p. 113, Ex. 12; Reteaching, pp. 116–117, Set 2-10, Ex. 1–5, Set 2-11, Ex. 1–2; More Practice, p. 121, Set 2-10, Ex. 1–4, Set 2-11, Ex. 1–4; Lesson 3-2, p. 131, Ex. 40–42; Section A Review, p. 144, Ex. 1–4, A; Diagnostic Checkpoint, p. 145, Ex. 3–5; Section B Review, p. 158, Ex. 1–2, 5, A; Diagnostic Checkpoint, p. 159, Ex. 18–19; Lesson 3-14, p. 167, Ex. 20, 24; Section C Review, p. 170, Ex. 5–6, B–D; Diagnostic Checkpoint, p. 171, Ex. 3–4, 19–20; Test Talk, p. 173, Ex. 2–3; Key Vocabulary and Concept Review, p. 174, Ex. 2; Chapter Test, p. 176, Ex. 32–33; Cumulative Review and Test Prep, pp. 178–179, Ex. 6, 20–21; Reteaching, pp. 180–183, Set 3-1, Ex. 1–2, Set 3-10, Ex. 1–3, Set 3-13, Ex. 1–3; More Practice, pp. 184–187, Set 3-1, Ex. 1–3, Set 3-6, Ex. 1–2, Set 3-10, Ex. 1–4, Set 3-12, Ex. 16, Set 3-13, Ex. 1–3; Cumulative Review and Test Prep, p. 245, Ex. 13; Lesson 5-2, p. 261, Ex. 47; Learning with Technology, p. 267, Ex. 1–4; Section A Review, p. 268, Ex. 19–20; Diagnostic Checkpoint, p. 269, Ex. 18–21; Lesson 5-5, p. 273, Ex. 49; Section C Review, p. 294, Ex. 14, E–F; Diagnostic Checkpoint, p. 295, Ex. 11–13; Chapter Test, pp. 300–301, Ex. 3, 33, 35; Cumulative Review and Test Prep, pp. 302–303, Ex. 7, 21; Reteaching, p. 307, Set 5-11, Ex. 1–2; More Practice, p. 309, Set 5-4, Ex. 1–15; Lesson 6-4, p. 329, Ex. 15; Section A Review, p. 330, Ex. 11–12; Chapter Test, pp. 352–353, Ex. 3, 24; Cumulative Review and Test Prep, p. 355, Ex. 13; More Practice, p. 361, Set 6-3, Ex. 1–16; Learning with Technology, p. 377, Ex. 1–11; Section B Review, p. 400, Ex. F; Diagnostic Checkpoint, p. 401, Ex. 18–21; Test Talk, pp. 416–417, Ex. 1–3; Chapter Test, p. 421, Ex. 11, 25; Cumulative Review and Test Prep, p. 423, Ex. 20–21; Reteaching, p. 426, Set 7-10, Ex. 1–2; More Practice, p. 430, Set 7-10, Ex. 1–5; Lesson 8-8, p. 459, Ex. 15; Section C Review, p. 480, Ex. B; Cumulative Review and Test Prep, pp. 488–489, Ex. 3, 15; More Practice, p. 496, Set 8-9, Ex. 2; Section A Review, p. 514, Ex. 13, E–F; Diagnostic Checkpoint, p. 515, Ex. 21; Lesson 9-6, p. 519, Ex. 28; Chapter Test, p. 549, Ex. 21; Cumulative Review and Test Prep, p. 551, Ex. 19–20; Reteaching, p. 553, Set 9-5, Ex. 1; More Practice, p. 557, Set 9-5, Ex. 1–2; Cumulative Review and Test Prep, p. 613, Ex. 18–19; Cumulative Review and Test Prep, p. 677, Ex. 21; Diagnosing Readiness, p. 687, Ex. 25–30; Lesson 12-3, p. 695, Ex. 24–25; Section A Review, p. 698, Ex. 5–7, C–D; Diagnostic Checkpoint, p. 699, Ex. 7–8; Chapter Test, pp. 724–725, Ex. 2, 19–21; Cumulative Review and Test Prep, p. 727, Ex. 20; Reteaching, p. 728, Set 12-2, Ex. 1–4; More Practice, p. 731, Set 12-2, Ex. 1–11</p>



Correlation to North Carolina Standard Course of Study

Grade 4 Mathematics Curriculum

Competency Goal 5 (continued)

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>5.03 Verify mathematical concepts or relationships using:</p> <p>a) Models, words, and numbers.</p> <p>b) Order of operations and identity, commutative, associative, and distributive properties.</p>	<p>Lesson 2-1, pp. 62–63, Ex. 5, 18; Lesson 2-11, pp. 96–97, Ex. 3, 8, 11; Lesson 3-2, pp. 128–131, Ex. 11, 27, 29, 38; Lesson 3-3, pp. 132–135, Ex. 11, 27, 34; Lesson 3-4, pp. 136–137, Ex. 5, 31; Lesson 3-9, pp. 152–153, Ex. 6, 26; Lesson 5-10, pp. 288–289, Ex. 5, 18, 22</p>	<p>Lesson 1-5, p. 18, Ex. 23; Section B Review, p. 26, Ex. C; Lesson 1-9, p. 29, Ex. 11; Lesson 1-12, pp. 35–37, Ex. 9, 18, 24–25; Section C Review, p. 42, Ex. F; Lesson 2-2, p. 66, Ex. 31; Lesson 2-3, p. 70, Ex. 27; Lesson 2-4, p. 73, Ex. 20; Section A Review, p. 74, Ex. G–H; Diagnostic Checkpoint, p. 75, Ex. 17, 19; Lesson 2-5, p. 78, Ex. 28; Lesson 2-7, p. 85, Ex. 33; Section C Review, p. 104, Ex. C–D; Diagnostic Checkpoint, p. 105, Ex. 12; Chapter Test, p. 111, Ex. 27, 29; Cumulative Review and Test Prep, p. 113, Ex. 11–12; Diagnosing Readiness, p. 123, Ex. 24; Section A Review, p. 144, Ex. E–F; Diagnostic Checkpoint, p. 145, Ex. 17–18, 21–22; Lesson 3-6, p. 147, Ex. 3, 6; Lesson 3-7, p. 149, Ex. 15; Lesson 3-8, p. 151, Ex. 21–22; Section C Review, p. 170, Ex. A, D; Chapter Test, pp. 176–177, Ex. 10; More Practice, p. 184, Set 3-2, Ex. 9; Lesson 4-9, p. 214, Ex. 7; Lesson 4-12, p. 227, Ex. 4; Cumulative Review and Test Prep, pp. 245, Ex. 15; Diagnostic Checkpoint, p. 269, Ex. 26, 28; Lesson 5-5, p. 273, Ex. 47; Section C Review, p. 294, Ex. D; Diagnostic Checkpoint, p. 295, Ex. 18; Lesson 6-3, p. 322, Ex. 21; Diagnostic Checkpoint, p. 331, Ex. 20; Cumulative Review and Test Prep, p. 355, Ex. 12; Lesson 8-6, p. 454, Ex. 13; Cumulative Review and Test Prep, p. 489, Ex. 14; Lesson 9-1, p. 501, Ex. 6, 13, 18; Lesson 9-3, pp. 505–506, Ex. 7, 25; Lesson 9-6, p. 518–519, Ex. 5, 23; Lesson 9-7, p. 521, Ex. 6, 25, 29; Lesson 9-8, p. 523, Ex. 5, 18, 24; Lesson 9-9, pp. 525–526, Ex. 9, 26; Section B Review, p. 528, Ex. B, D; Lesson 9-11, p. 535, Ex. 5, 14, 20; Section C Review, p. 542, Ex. B; Diagnostic Checkpoint, p. 543, Ex. 20; More Practice, p. 557, Set 9-7, Ex. 11; Lesson 11-1, p. 626, Ex. 35; Lesson 11-3, p. 631, Ex. 8; Lesson 11-4, p. 633, Ex. 6, 26; Diagnostic Checkpoint, p. 635, Ex. 25; Cumulative Review and Test Prep, p. 677, Ex. 23</p>



Correlation to North Carolina Standard Course of Study

Grade 5 Mathematics Curriculum

Major Concepts/Skills

- Number sense 0.001-999,999
- Addition and subtraction of non-negative rational numbers
- Properties of plane figures
- Bar graphs and stem-and-leaf plots
- Rates of change
- Simple equations and inequalities
- Students will solve relevant and authentic problems using appropriate technology and apply these concepts as well as those developed in earlier years

Concepts/Skills to Maintain

- Whole number computation
- Transformations
- Perimeter and area
- Coordinate grids
- Line graphs
- Median, mode, and range

Competency Goal 1

The learner will understand and compute with non-negative rational numbers.

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>1.01 Develop number sense for rational numbers 0.001 through 999,999.</p> <p>a) Connect model, number word, and number using a variety of representations.</p> <p>b) Build understanding of place value (thousandths through hundred thousands).</p> <p>c) Compare and order rational numbers.</p> <p>d) Make estimates of rational numbers in appropriate situations.</p>	<p>Lesson 1-1, pp. 4A–4B, 4–5, Ex. 1–28; Lesson 1-2, pp. 6A–6B, 6–7, Ex. 1–16; Lesson 1-3, pp. 8A–8B, 8–11, Ex. 1–34; Lesson 1-4, pp. 12–13, Ex. 1–29; Lesson 1-5, pp. 14A–14B, 14–17, Ex. 1–32; Lesson 1-8, pp. 26A–26B, 26–27, Ex. 1–23; Lesson 1-11, pp. 36A–36B, 36–37, Ex. 1–24; Lesson 2-2, pp. 68A–69B, 68–69, Ex. 1–24; Lesson 2-4, pp. 72A–72B, 72–75, Ex. 1–37; Lesson 2-8, pp. 86A–86B, 86–87, Ex. 1–32; Lesson 2-16, pp. 110–111, Ex. 4–6; Lesson 3-16, pp. 180–181, Ex. 1, 6; Lesson 7-1, pp. 394A–394B, 394–397, Ex. 1–26; Lesson 7-2, pp. 398A–398B, 398–399, Ex. 1–16; Lesson 7-5, pp. 404A–404B, 404–405, Ex. 1–17; Lesson 7-10, pp. 416B, 416–417, Ex. 1–30; Lesson 7-11, pp. 418A–418B, 418–419, Ex. 1–24; Lesson 7-12, pp. 420A–420B, 420–423, Ex. 1–31; Lesson 7-13, pp. 426A–426B, 426–429, Ex. 1–29; Lesson 7-14, pp. 430A–430B, 430–431, Ex. 1–14; Lesson 7-16, pp. 438–439, Ex. 2–4; Lesson 8-16, pp. 506–507, Ex. 3; Lesson 9-16, pp. 572–573, Ex. 4; Lesson 11-11, pp. 676–677, Ex. 1–2, 5, 7</p> <p>Chapter 1: Investigation, p. 21</p>	<p>Diagnosing Readiness, pp. 2–3, Ex. 1–23; Section A Review, p. 20, Ex. 1–12; Diagnostic Checkpoint, p. 21, Ex. 1–12, 17–18; Warm-Up, p. 28, Ex. 1–3; Mixed Review and Test Prep, p. 31, Ex. 27–31; Section B Review, p. 34, Ex. 5–12; Diagnostic Checkpoint, p. 35, Ex. 1–10, 14–15; Mixed Review and Test Prep, p. 39, Ex. 29–30; Diagnostic Checkpoint, p. 47, Ex. 18; Chapter Test, pp. 52–53, Ex. 1–5, 10–23; Cumulative Review and Test Prep, pp. 54–55, Ex. 2–4, 19; Reteaching, p. 56, Set 1-1, Ex. 1–6, Set 1-2, Ex. 1–3, Set 1-3, Ex. 1–6, Set 1-4, Ex. 1–6; Reteaching, p. 57, Set 1-5, Ex. 1–4; Set 1-7, Ex. 1–6; Reteaching, p. 58, Set 1-8, Ex. 1–6; More Practice, p. 60, Set 1-1, Ex. 1–6, Set 1-2, Ex. 1–6, Set 1-3, Ex. 1–9, Set 1-4, Ex. 1–7; More Practice, p. 61, Set 1-5, Ex. 1–9, Set 1-8, Ex. 1–9; More Practice, p. 62, Set 1-9, Ex. 1–13; Diagnosing Readiness, pp. 64–65, Ex. 1–3, 15–25; Section A Review, p. 82, Ex. 7–10; Diagnostic Checkpoint, p. 83, Ex. 3–10, 15–18, 20; Warm-Up, p. 88, Ex. 1–6; Learning With Technology, p. 91, Ex. 1–4; Section B Review, p. 98, Ex. 7–12; Diagnostic Checkpoint, p. 99, Ex. 3–10, 27–28; Mixed Review and Test Prep, p. 109, Ex. 24–27; Cumulative Review and Test Prep, pp. 120–121, Ex. 1–3, 15; Reteaching, p. 122, Set 2-2, Ex. 1–8; Reteaching, p. 123, Set 2-7, Ex. 1–8; Reteaching, p. 124, Set 2-8, Ex. 1–6; More Practice, p. 126, Set 2-2, Ex. 1–13; More Practice, p. 127, Set 2-8, Ex. 1–13; Diagnosing Readiness, p. 131, Ex. 14–27; Warm-up, p. 138, Ex. 1–6; Section A Review, p. 146, Ex. 3–10; Diagnostic Checkpoint, p. 147, Ex. 3–14, 20; Cumulative Review and Test Prep, p. 190, Ex. 2–3, 7; Warm-Up, p. 234, Ex. 1–4; Section C Review, p. 240, Ex. 1–6; Diagnostic Checkpoint, p. 241, Ex. 1, 3–6, 18; Cumulative Review and Test Prep, p. 248, Ex. 1, 4; Cumulative Review and Test Prep, p. 316, Ex. 1, 6; Cumulative Review and Test Prep, p. 382, Ex. 1–3; Diagnosing Readiness, p. 393, Ex. 14–17; Section A Review, p. 408, Ex. 1–14; Diagnostic Checkpoint, p. 409, Ex. 1–2, 15–17; Section B Review, p. 424, Ex. 8–21; Diagnostic Checkpoint, p. 425, Ex. 1–2, 11–20; Section C Review, p. 440, Ex. 1–10; Diagnostic Checkpoint, p. 441, Ex. 1–15, 17–18; Chapter Test, pp. 446–447, Ex. 1–10, 12–23, 27; Cumulative Review and Test Prep, p. 448, Ex. 1, 3–4, 6; Reteaching, p. 450, Set 7-1, Ex. 1–2, Set 7-2, Ex. 1–4; Reteaching, p. 451, Set 7-5, Ex. 1–4; Reteaching, p. 452, Set 7-10, Ex. 1–6, Set 7-11, Ex. 1–6, Set 7-12, Ex. 1–6; Reteaching, p. 453, Set 7-13, Ex. 1–4, Set 7-14, Ex. 1–4; More Practice, p. 454, Set 7-1, Ex. 1–4, Set 7-2, Ex. 1–9; More Practice, p. 455, Set 7-5, Ex. 1–7; More Practice, p. 456, Set 7-10, Ex. 1–5, Set 7-11, Ex. 1–5, Set 7-12, Ex. 1–8; More Practice, p. 457, Set 7-13, Ex. 1–9, Set 7-14, Ex. 1–5; Cumulative Review and Test Prep, p. 516, Ex. 3; Cumulative Review and Test Prep, p. 582, Ex. 1–2, 4; Cumulative Review and Test Prep, p. 636, Ex. 2; Cumulative Review and Test Prep, p. 686, Ex. 5</p>



Correlation to North Carolina Standard Course of Study

Grade 5 Mathematics Curriculum

Competency Goal 1 (continued)

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>1.02 Develop fluency in adding and subtracting non-negative rational numbers (halves, fourths, eighths; thirds, sixths, twelfths; fifths, tenths, hundredths, thousandths, mixed numbers).</p> <p>a) Develop and analyze strategies for adding and subtracting numbers.</p> <p>b) Estimate sums and differences.</p> <p>c) Judge the reasonableness of solutions.</p>	<p>Lesson 1-9, pp. 28A–28B, 28–31, Ex. 1–26; Lesson 1-12, pp. 38A–38B, 38–39, Ex. 1–25; Lesson 1-13, pp. 40A–40B, 40–41, Ex. 1–18; Lesson 1-15, pp. 44–45, Ex. 4; Lesson 8-1, pp. 460A–460B, 460–461, Ex. 1–27; Lesson 8-2, pp. 462A–462B, 462–463, Ex. 1–21; Lesson 8-3, pp. 464A–464B, 464–465, Ex. 1–26; Lesson 8-4, p. 466A–466B, 466–469, Ex. 1–28; Lesson 8-5, pp. 472A–472B, 472–473, Ex. 1–17; Lesson 8-6, pp. 474B, 474–475, Ex. 1–16; Lesson 8-7, pp. 476A–476B, 476–477, Ex. 1–26; Lesson 8-8, pp. 478A–478B, 478–481, Ex. 1–33; Lesson 9-16, pp. 572–573, Ex. 3–4; Lesson 11-11, pp. 676–677, Ex. 3</p> <p>Chapter 1: Investigation, p. 2J</p>	<p>Section B Review, p. 34, Ex. 9–12; Diagnostic Checkpoint, p. 35, Ex. 2–6, 14; Chapter Test, pp. 52–53, Ex. 6, 20–23; Reteaching, p. 59, Set 1-12, Ex. 1–8, Set 1-13, Ex. 1–8; More Practice, p. 62, Set 1-9, Ex. 1–3; More Practice, p. 63 Set 1-12, Ex. 1–15, Set 1-13, Ex. 1–15; Mixed Review and Test Prep, p. 67, Ex. 24–26; Mixed Review and Test Prep, p. 97, Ex. 37–40; Cumulative Review and Test Prep, p. 248, Ex. 2; Section A Review, p. 470, Ex. 1–14; Diagnostic Checkpoint, p. 471, Ex. 1–16; Section B Review, p. 488, Ex. 1–10; Diagnostic Checkpoint, p. 489, Ex. 1–13, 16–17; Mixed Review and Test Prep, p. 493, Ex. 45–53; Chapter Test, pp. 514–515, Ex. 1–9, 14–20, 29; Cumulative Review and Test Prep, p. 516, Ex. 1–2; Reteaching, p. 518, Set 8-1, Ex. 1–8, Set 8-2, Ex. 1–8, Set 8-3, Ex. 1–8; Reteaching, p. 519, Set 8-4, Ex. 1–8, Set 8-5, Ex. 1–6, Set 8-6, Ex. 1–4, Set 8-7, Ex. 1–4; Reteaching, p. 520, Set 8-8, Ex. 1–6; More Practice, p. 522, Set 8-1, Ex. 1–13, Set 8-2, Ex. 1–12, Set 8-3, Ex. 1–12, Set 8-4, Ex. 1–13; More Practice, p. 523, Set 8-5, Ex. 1–9, Set 8-6, Ex. 1–10, Set 8-7, Ex. 1–13, Set 8-8, Ex. 1–9</p>



Correlation to North Carolina Standard Course of Study

Grade 5 Mathematics Curriculum

Competency Goal 1 (continued)

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>1.03 Develop flexibility in solving problems by selecting strategies and using mental computation, estimation, calculators or computers, and paper and pencil.</p>	<p>Lesson 1-6, pp. 18A–18B, 18–19, Ex. 1–10; Lesson 1-7, pp. 22A–22B, 22–25, Ex. 1–24; Lesson 1-10, pp. 32–33, Ex. 1–7; Lesson 1-14, pp. 42A–42B, 42–43, Ex. 1–11; Lesson 1-15, pp. 44–45, Ex. 5, 7; Lesson 2-2, pp. 68A–68B, 68–69, Ex. 1–20; Lesson 2-3, pp. 70A–70B, 70–71, Ex. 1–21; Lesson 2-5, pp. 76A–76B, 76–77, Ex. 1–35; Lesson 2-6, pp. 80–81, Ex. 1–8; Lesson 2-8, pp. 86A–86B, 86–87, Ex. 1–22; Lesson 2-16, pp. 110–111, Ex. 7; Lesson 3-3, pp. 138A–138B, 138–141, Ex. 1–36; Lesson 3-12, pp. 168–169, Ex. 1–9; Lesson 4-2, pp. 204A–204B, 204–207, Ex. 1–30; Lesson 4-3, pp. 210–211, Ex. 1–8; Lesson 4-6, pp. 222A–222B, 222–223, Ex. 1–25; Lesson 4-8, pp. 226–227, Ex. 1–7; Lesson 4-12, pp. 238–239, Ex. 6–7; Lesson 5-13, pp. 306–307, Ex. 3–4, 6; Lesson 6-12, pp. 372–373, Ex. 4, 7; Lesson 7-4, pp. 402B, 402–403, Ex. 1–14; Lesson 7-6, pp. 406–407, Ex. 1–9; Lesson 7-15, pp. 434–437, Ex. 1–11; Lesson 7-16, pp. 438–439, Ex. 7; Lesson 8-9, pp. 484A–484B, 484–487, Ex. 1–13; Lesson 8-15, pp. 504B, 504–505, Ex. 1–9; Lesson 8-16, pp. 506–507, Ex. 2, 7; Lesson 9-11, pp. 558–559, Ex. 1–8; Lesson 9-15, pp. 570–571, Ex. 1–8; Lesson 9-16, pp. 572–573, Ex. 6–7; Lesson 10-4, pp. 606–607, Ex. 1–5; Lesson 10-10, pp. 624B, 624–625, Ex. 1–8; Lesson 10-11, pp. 626–627, Ex. 1–2, 6; Lesson 11-11, pp. 676–677, Ex. 6–7; Lesson 12-11, pp. 730–731, Ex. 7 Chapter 3: Investigation, pp. 130I–130J Chapter 4: Investigation, pp. 200I–200J</p>	<p>Section A Review, p. 20, Ex. 13–14; Diagnostic Checkpoint, p. 21, Ex. 13–16; Section B Review, p. 34, Ex. 1–4, 9–13; Diagnostic Checkpoint, p. 35, Ex. 3–6, 11–13; Section C Review, p. 46, Ex. 13; Diagnostic Checkpoint, p. 47, Ex. 14–17; Chapter Test, pp. 52–53, Ex. 7, 20–23, 27–29; Cumulative Review and Test Prep, p. 54, Ex. 5–6; Reteaching, p. 57, Set 1-6, Ex. 1–3, Set 1-7, Ex. 1–6; Reteaching, p. 58, Set 1-10, Ex. 1–3; Reteaching, p. 59, Set 1-14, Ex. 1–3; More Practice, p. 61, Set 1-6, Ex. 1–4, Set 1-7, Ex. 1–10; More Practice, p. 62, Set 1-10, Ex. 1–3; More Practice, p. 63, Set 1-14, Ex. 1–3; Section A Review, p. 82, Ex. 1–10, 17; Diagnostic Checkpoint, p. 83, Ex. 2, 7–14, 20–21; Chapter Test, pp. 118–119, Ex. 2, 7, 13, 15–20, 22–27, 33–34; Cumulative Review and Test Prep, p. 120, Ex. 5; Reteaching, p. 122, Set 2-2, Ex. 1–8, Set 2-3, Ex. 1–8; Reteaching, p. 123, Set 2-5, Ex. 1–8, Set 2-6, Ex. 1–2; Reteaching, p. 124, Set 2-8, Ex. 1–6; More Practice, p. 126, Set 2-2, Ex. 1–13, Set 2-3, Ex. 1–8; More Practice, p. 127, Set 2-5, Ex. 1–3; Set 2-6, Ex. 1–2, Set 2-8, Ex. 1–13; Section A Review, p. 146, Ex. 7–10; Diagnostic Checkpoint, p. 147, Ex. 9–16, 20; Chapter Test, pp. 188–189, Ex. 2, 14–17, 28; Reteaching, p. 192, Sets 3-3, Ex. 1–4; Reteaching, p. 194, Set 3-12, Ex. 1–2; More Practice, p. 196, Sets 3-3, Ex. 1–13; More Practice, p. 198, Set 3-12, Ex. 1–2; Section A Review, p. 212, Ex. 7–14; Diagnostic Checkpoint, p. 213, Ex. 2, 9–16, 18–19; Section B Review, p. 228, Ex. 13; Diagnostic Checkpoint, p. 229, Ex. 11–14, 19, 22; Chapter Test, pp. 246–247, Ex. 2, 10–18, 23–28; Cumulative Review and Test Prep, p. 248, Ex. 1–4; Reteaching, p. 250, Set 4-2, Ex. 1–8, Set 4-3, Ex. 1–2; Reteaching, p. 252, Set 4-6, Ex. 1–8; Reteaching, p. 253, Set 4-8, Ex. 1–2; More Practice, p. 254, Set 4-2, Ex. 1–13, Set 4-3, Ex. 1–2; More Practice, p. 255, Set 4-6, Ex. 1–16; More Practice, p. 256, Set 4-8, Ex. 1–2; Cumulative Review and Test Prep, p. 516, Ex. 1–2; Section A Review, p. 408, Ex. 15; Diagnostic Checkpoint, p. 409, Ex. 2, 18–19; Section C Review, p. 440, Ex. 11; Diagnostic Checkpoint, p. 441, Ex. 16; Chapter Test, pp. 446–447, Ex. 7, 24, 26; Reteaching, p. 450, Set 7-4, Ex. 1–4; Reteaching, p. 451, Set 7-6, Ex. 1–2; Reteaching, p. 453, Set 7-15, Ex. 1–2; More Practice, p. 454, Set 7-4, Ex. 1–4; More Practice, p. 455, Set 7-6, Ex. 1–2; More Practice, p. 457, Set 7-15, Ex. 1–2; Section B Review, p. 488, Ex. 11–12; Diagnostic Checkpoint, p. 489, Ex. 14–15; Section C Review, p. 508, Ex. 16; Diagnostic Checkpoint, p. 509, Ex. 24–25; Chapter Test, pp. 514–515, Ex. 8, 20–22, 29; Cumulative Review and Test Prep, pp. 516–517, Ex. 8–9, 23–24; Reteaching, p. 520, Set 8-9, Ex. 1; Reteaching, p. 521, Set 8-15, Ex. 1; More Practice, p. 524, Set 8-9, Ex. 1–2; More Practice, p. 525, Set 8-15, Ex. 1–2; Section B Review, p. 560, Ex. 9; Diagnostic Checkpoint, p. 561, Ex. 7–8; Section C Review, p. 574, Ex. 13; Diagnostic Checkpoint, p. 575, Ex. 16, 18; Chapter Test, p. 581, Ex. 27–29; Cumulative Review and Test Prep, p. 582, Ex. 7; Reteaching, p. 586, Set 9-11, Ex. 1–3; Reteaching, p. 587, Set 9-15, Ex. 1–23; More Practice, p. 590, Set 9-11, Ex. 1–2; More Practice, p. 591, Set 9-15, Ex. 1–2; Cumulative Review and Test Prep, p. 636, Ex. 6; Reteaching, p. 639, Set 10-4, Ex. 1–2; Reteaching, p. 640, Set 10-10, Ex. 1–2; More Practice, p. 642, Set 10-4, Ex. 1–2; More Practice, p. 643, Set 10-10, Ex. 1–2</p>



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Grade 5 Mathematics Curriculum

Competency Goal 2

The learner will recognize and use standard units of metric and customary measurement.

Objectives	Instruction and Practice	Additional Practice and Assessment
2.01 Estimate the measure of an object in one system given the measure of that object in another system.	Lesson 3-15, p. 178, Ex. 22–25; Lesson 9-4, Ex. 24–26	Discovery Channel, p. 221, Ex. 1
2.02 Identify, estimate, and measure the angles of plane figures using appropriate tools.	Lesson 6-2, pp. 332A–332B, 332–335, Ex. 1–25; Enrichment, p. 349, Ex. 1–7	Section A Review, p. 338, Ex. 6–10; Diagnostic Checkpoint, p. 339, Ex. 2–5, 9; Chapter Test, p. 381, Ex. 20; Reteaching, p. 384, Set 6-2, Ex. 1–4; More Practice, p. 388, Set 6-2, Ex. 1–9; Cumulative Review and Test Prep, p. 516, Ex. 4, 7

Competency Goal 3

The learner will understand and use properties and relationships of plane figures.

Objectives	Instruction and Practice	Additional Practice and Assessment
3.01 Identify, define, describe, and accurately represent triangles, quadrilaterals, and other polygons.	Lesson 6-4, pp. 340A–340B, 340–341, Ex. 1–13; Lesson 6-5, pp. 342A–342B, 342–345, Ex. 1–22; Lesson 6-6, pp. 346A–346B, 346–349, Ex. 1–18; Lesson 6-8, pp. 356B, 356–357, Ex. 1–9; Lesson 6-12, pp. 372–373, Ex. 1, 5 Chapter 6: Investigation, pp. 326I–326J	Cumulative Review and Test Prep, p. 54, Ex. 7, 11–12; Cumulative Review and Test Prep, p. 120, Ex. 4–5; Cumulative Review and Test Prep, p. 190, Ex. 12; Cumulative Review and Test Prep, p. 248, Ex. 5; Diagnosing Readiness, p. 326, Ex. 1–5, 7, 9–10, 12; Section B Review, p. 358, Ex. 1–9; Diagnostic Checkpoint, p. 359, Ex. 1, 3–10, 12–16; Chapter Test, pp. 380–381, Ex. 6–7, 9, 21–26, 30–31; Cumulative Review and Test Prep, p. 382, Ex. 5; Reteaching, p. 385, Set 6-4, Ex. 1–4, Set 6-5, Ex. 1–4, Set 6-6, Ex. 1–2; Reteaching, p. 386, Set 6-8, Ex. 1–2; More Practice, p. 389, Set 6-4, Ex. 1–5, Set 6-5, Ex. 1–8, Set 6-6, Ex. 1–7; More Practice, p. 390, Set 6-8, Ex. 1–2; Cumulative Review and Test Prep, p. 448, Ex. 9; Warm-up, p. 594, Ex. 1–2; Mixed Review and Test Prep, p. 647, Ex. 18; Cumulative Review and Test Prep, p. 740, Ex. 11, 14
3.02 Make and test conjectures about polygons involving: a) Sum of the measures of interior angles. b) Lengths of sides and diagonals. c) Parallelism and perpendicularity of sides and diagonals.	Lesson 6-4, pp. 340A–340B, 340–341, Ex. 1–13	Cumulative Review and Test Prep, p. 248, Ex. 11; Diagnosing Readiness, p. 326, Ex. 12; Chapter Test, p. 380, Ex. 8, 10; Cumulative Review and Test Prep, p. 382, Ex. 12; Reteaching, p. 385, Set 6-6, Ex. 1–2; Reteaching, p. 386, Set 6-7, Ex. 2; More Practice, p. 389, Set 6-5, Ex. 4–8; Set 6-6, Ex. 4–7; Cumulative Review and Test Prep, p. 448, Ex. 8; Cumulative Review and Test Prep, p. 686, Ex. 12; Cumulative Review and Test Prep, p. 740, Ex. 13, 15
3.03 Classify plane figures according to types of symmetry (line, rotational).	Lesson 6-11, p. 370, Extensions, Ex. 21–25	Cumulative Review and Test Prep, p. 248, Ex. 7; Cumulative Review and Test Prep, p. 517, Ex. 6



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Competency Goal 3 (continued)

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>3.04 Solve problems involving the properties of triangles, quadrilaterals, and other polygons.</p> <p>a) Sum of the measures of interior angles.</p> <p>b) Lengths of sides and diagonals.</p> <p>c) Parallelism and perpendicularity of sides and diagonals.</p>	<p>Lesson 6-7, pp. 352A–352B, 352–355, Ex. 1–11</p>	<p>Cumulative Review and Test Prep, p. 120, Ex. 9; Cumulative Review and Test Prep, p. 190, Ex. 10; Cumulative Review and Test Prep, p. 248, Ex. 9; Enrichment, p. 349, Ex. 1–7; Diagnostic Checkpoint, p. 359, Ex. 2, 11; Chapter Test, pp. 380–381, Ex. 8, 10–11, 30; Reteaching, p. 385, Set 6-6, Ex. 1–2; More Practice, p. 389, Set 6-5, Ex. 4–8, Set 6-6, Ex. 4–7; Cumulative Review and Test Prep, p. 448, Ex. 7, 11; Cumulative Review and Test Prep, p. 516, Ex. 11, 13–14; Section A Review, p. 546, Ex. 12–13; Diagnostic Checkpoint, p. 547, Ex. 2, 12; Section B Review, p. 560, Ex. 1–8; Diagnostic Checkpoint, p. 561, Ex. 1–6, 9–11; Mixed Review and Test Prep, p. 563, Ex. 24; Lesson 9-15, p. 571, Ex. 4, 6; Chapter Test, pp. 580–581, Ex. 6, 10–13, 24–28; Cumulative Review and Test Prep, p. 582, Ex. 8, 10, 13; Reteaching, p. 585, Set 9-5, Ex. 1–3, Set 9-8, Ex. 1–2; Reteaching, p. 586, Set 9-9, Ex. 1–2, Set 9-10, Ex. 1–2; More Practice, p. 589, Set 9-5, Ex. 1–9; More Practice, p. 590, Set 9-8, Ex. 1–7, Set 9-9, Ex. 1–5, Set 9-10, Ex. 1–5; Cumulative Review and Test Prep, p. 637, Ex. 21; Cumulative Review and Test Prep, p. 686, Ex. 9, 12, 14; Cumulative Review and Test Prep, p. 740, Ex. 13</p>

Competency Goal 4

The learner will understand and use graphs and data analysis.

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>4.01 Collect, organize, analyze, and display data (including bar graphs and stem-and-leaf plots) to solve problems.</p>	<p>Lesson 5-1, pp. 260A–260B, 260–261, Ex. 1–14; Lesson 5-2, pp. 262A–262B, 262–265, Ex. 1–15; Lesson 5-3, pp. 266B, 266–269, Ex. 1–9; Lesson 5-4, pp. 270A–270B, 270–273, Ex. 1–17; Lesson 5-5, pp. 276B, 276–279, Ex. 1–11; Lesson 5-7, pp. 286–287, Ex. 1–8; Lesson 5-11, pp. 300A–300B, 300–301, Ex. 1–10; Lesson 5-13, pp. 306–307, Ex. 3; Lesson 7-16, pp. 438–439, Ex. 6; Lesson 12-11, pp. 730–731, Ex. 5</p>	<p>Cumulative Review and Test Prep, p. 55, Ex. 15–16; Cumulative Review and Test Prep, p. 121, Ex. 8–9; Cumulative Review and Test Prep, p. 249, Ex. 8–10; Reading for Math Success, pp. 274–275, Ex. 1–11; Mixed Review and Test Prep, p. 279, Ex. 16; Section A Review, p. 280, Ex. 3–5; Diagnostic Checkpoint, p. 281, Ex. 2–9; Section B Review, p. 294, Ex. 2–3; Diagnostic Checkpoint, p. 295, Ex. 6–9; Section C Review, p. 308, Ex. 4–6; Diagnostic Checkpoint, p. 309, Ex. 6–8; Chapter Test, pp. 314–315, Ex. 4, 6, 15–17, 20–22; Cumulative Review and Test Prep, p. 317, Ex. 15–17; Reteaching, p. 318, Set 5-1, Ex. 1–2, Set 5-2, Ex. 1–2; Reteaching, p. 319, Set 5-4, Ex. 1–3; Reteaching, p. 320, Set 5-7, Ex. 1; Reteaching, p. 321, Set 5-11, Ex. 1–3; More Practice, p. 322, Set 5-2, Ex. 1–5, Set 5-3, Ex. 1–4; More Practice, p. 322, Set 5-4, Ex. 1–4, Set 5-5, Ex. 1–2; More Practice, p. 324, Set 5-7, Ex. 1–4; More Practice, p. 325, Set 5-11, Ex. 1–3; Cumulative Review and Test Prep, p. 383, Ex. 7, 9; Cumulative Review and Test Prep, p. 517, Ex. 10; Cumulative Review and Test Prep, p. 583, Ex. 16–17; Cumulative Review and Test Prep, p. 687, Ex. 15, 17–18; Cumulative Review and Test Prep, p. 741, Ex. 18–19</p>
<p>4.02 Compare and contrast different representations of the same data; discuss the effectiveness of each representation.</p>	<p>Lesson 5-8, pp. 288A–288B, 288–291, Ex. 1–17; Lesson 5-9, pp. 292–293, Ex. 1–6; Lesson 5-13, pp. 306–307, Ex. 3</p>	<p>Cumulative Review and Test Prep, p. 55, Ex. 14; Cumulative Review and Test Prep, p. 191, Ex. 14; Section B Review, p. 294, Ex. 4; Diagnostic Checkpoint, p. 295, Ex. 2, 7; Chapter Test, p. 314, Ex. 7; Reteaching, p. 320, Set 5-8, Ex. 1, Set 5-9, Ex. 1–3; More Practice, p. 324, Set 5-8, Ex. 1–5, Set 5-9, Ex. 1–4; Cumulative Review and Test Prep, p. 449, Ex. 16; Chapter Test, p. 517, Ex. 18; Cumulative Review and Test Prep, p. 517, Ex. 8; Mixed Review and Test Prep, p. 551, Ex. 19</p>



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Competency Goal 4 (continued)

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>4.03 Solve problems with data from a single set or multiple sets of data using median, range, and mode.</p>	<p>Lesson 5-6, pp. 282A–282B, 282–285, Ex. 1–18; Lesson 12-11, pp. 730–731, Ex. 3 Chapter 5: Investigation, p. 258I</p>	<p>Cumulative Review and Test Prep, p. 121, Ex. 9–11; Cumulative Review and Test Prep, p. 249, Ex. 9; Mixed Review and Test Prep, p. 287, Ex. 12; Section B Review, p. 294, Ex. 1; Diagnostic Checkpoint, p. 295, Ex. 1, 3–4; Chapter Test, pp. 314–315, Ex. 2, 5, 13–14, 22; Reteaching, p. 319, Set 5-6, Ex. 1–3; More Practice, p. 323, Set 5-6, Ex. 1–4; Cumulative Review and Test Prep, p. 383, Ex. 8; Cumulative Review and Test Prep, p. 449, Ex. 14–15; Cumulative Review and Test Prep, p. 517, Ex. 16; Cumulative Review and Test Prep, p. 517, Ex. 9; Mixed Review and Test Prep, p. 541, Ex. 16; Mixed Review and Test Prep, p. 613, Ex. 22–23; Cumulative Review and Test Prep, p. 687, Ex. 16; Cumulative Review and Test Prep, p. 741, Ex. 16–17</p>

Competency Goal 5

The learner will demonstrate an understanding of patterns, relationships, and elementary algebraic representation.

Objectives	Instruction and Practice	Additional Practice and Assessment
<p>5.01 Describe, extend, and generalize numeric and geometric patterns using tables, graphs, words, and symbols.</p>	<p>Lesson 2-1, pp. 66A–66B, 66–67, Ex. 1–23; Lesson 2-7, pp. 84A–84B, 84–85, Ex. 1–21; Lesson 2-14, pp. 106A–106B, 106–107, Ex. 1–13; Lesson 3-2, p. 136A–136B, 136–137, Ex. 1–32; Lesson 3-4, pp. 144A–144B, 144–145, Ex. 1–17; Lesson 3-15, pp. 176A–176B, 176–179, Ex. 1–29</p>	<p>Cumulative Review and Test Prep, p. 55, Ex. 21–22; Section A Review, p. 82, Ex. 1–6; Diagnostic Checkpoint, p. 83, Ex. 1, 3–6; Section B Review, p. 98, Ex. 1–6; Diagnostic Checkpoint, p. 99, Ex. 1, 3–6, 27; Section C Review, p. 112, Ex. 10–11; Diagnostic Checkpoint, p. 113, Ex. 9–12; Chapter Test, pp. 118–119, Ex. 6, 12, 17–20, 32–33; Cumulative Review and Test Prep, p. 121, Ex. 12, 14–15; Reteaching, p. 122, Set 2-1, Ex. 1–8; Reteaching, p. 123, Set 2-7, Ex. 1–8; Reteaching, p. 125, Set 2-14, Ex. 1–2; More Practice, p. 126, Set 2-1, Ex. 1–13; More Practice, p. 127, Set 2-7, Ex. 1–13; More Practice, p. 129, Set 2-14, Ex. 1–7; Enrichment, p. 141, Ex. 1–3; Section A Review, p. 146, Ex. 3–6, 11–12; Diagnostic Checkpoint, p. 147, Ex. 2–8, 17, 19; Chapter Test, pp. 188–189, Ex. 5–13, 29; Cumulative Review and Test Prep, p. 191, Ex. 18–19; Reteaching, p. 192, Set 3-2, Ex. 1–6, Set 3-4, Ex. 1–2; More Practice, p. 196, Set 3-2, Ex. 1–13, Set 3-4, Ex. 1–4; Cumulative Review and Test Prep, p. 249, Ex. 11, 13–14; Warm-up, p. 262, Ex. 1–2; Cumulative Review and Test Prep, p. 317, Ex. 21–22; Cumulative Review and Test Prep, p. 383, Ex. 10–11; Cumulative Review and Test Prep, p. 449, Ex. 20; Cumulative Review and Test Prep, p. 517, Ex. 11, 15; Cumulative Review and Test Prep, p. 583, Ex. 20, 22; Lesson 10-9, p. 623, Ex. 19; Chapter Test, p. 635, Ex. 26; Cumulative Review and Test Prep, p. 637, Ex. 18–19; Lesson 11-2, p. 650, Ex. 30–31; Section B Review, p. 666, Ex. 1–2; Diagnostic Checkpoint, p. 667, Ex. 3–5</p>



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Competency Goal 5 (continued)

Objectives	Instruction and Practice	Additional Practice and Assessment
5.02 Use algebraic expressions, patterns, and one-step equations and inequalities to solve problems.	Lesson 2-15, pp. 108A–108B, 108–109, Ex. 1–23; Lesson 12-1, pp. 696A–696B, 696–699, Ex. 1–43; Lesson 12-2, pp. 700A–700B, 700–701, Ex. 1–25; Lesson 12-3, pp. 702A–702B, 702–703, Ex. 1–21; Lesson 12-4, pp. 706A–706B, 706–709, Ex. 1–17 Chapter 12: Investigation p. 694I	Cumulative Review and Test Prep, p. 55, Ex. 23–24; Mixed Review and Test Prep, p. 107, Ex. 14–18; Section C Review, p. 112, Ex. 12–16, C–F; Diagnostic Checkpoint, p. 113, Ex. 2–6, 13–18, 20–21; Chapter Test, p. 119, Ex. 28–31; Cumulative Review and Test Prep, p. 121, Ex. 13–14; Reteaching, p. 125, Set 2-15, Ex. 1–4; More Practice, p. 129, Set 2-15, Ex. 1–13; Cumulative Review and Test Prep, p. 249, Ex. 12; Cumulative Review and Test Prep, p. 317, Ex. 18–19; Cumulative Review and Test Prep, p. 517, Ex. 12–14; Cumulative Review and Test Prep, p. 583, Ex. 19, 21; Cumulative Review and Test Prep, p. 637, Ex. 20, 22; Cumulative Review and Test Prep, p. 687, Ex. 19–20, 22, 25; Section A Review, p. 710, Ex. 1–16; Diagnostic Checkpoint, p. 711, Ex. 1–21; Chapter Test, pp. 738–739, Ex. 1–5, 17–20, 34; Cumulative Review and Test Prep, p. 741, Ex. 20–27; Reteaching, p. 742, Set 12-1, Ex. 1–11, Set 12-2, Ex. 1–10, Set 12-3, Ex. 1–10; Reteaching, p. 743, Set 12-4, Ex. 1–3; More Practice, p. 745, Set 12-1, Ex. 1–10, Set 12-2, Ex. 1–19, Set 12-3, Ex. 1–8, Set 12-4, Ex. 1–3
5.03 Identify, describe, and analyze situations with constant or varying rates of change.	Lesson 11-4, pp. 654A–654B, 654–655, Ex. 1–19; Lesson 11-7, pp. 664–665, Ex. 1–6; Lesson 12-8, pp. 720–721, Ex. 1–2	Cumulative Review and Test Prep, p. 121, Ex. 12, 14; Lesson 4-7, p. 225, Ex. 22–24; Cumulative Review and Test Prep, p. 249, Ex. 11, 13–14; Cumulative Review and Test Prep, p. 517, Ex. 15; Section A Review, p. 656, Ex. 11–12; Diagnostic Checkpoint, p. 657, Ex. 14–15; Section B Review, p. 666, Ex. 6; Diagnostic Checkpoint, p. 667, Ex. 10; Chapter Test, pp. 684–685, Ex. 3–4, 24–27; Reteaching, p. 689, Set 11-4, Ex. 1–5; Reteaching, p. 690, Set 11-7, Ex. 1–2; More Practice, p. 692, Set 11-4, Ex. 1–8; More Practice, p. 693, Set 11-7, Ex. 1; Section B Review, p. 722, Ex. 20; Diagnostic Checkpoint, p. 723, Ex. 23; Reteaching, p. 744, Set 12-8, Ex. 1; More Practice, p. 747, Set 12-8, Ex. 1