Grade 6 Support

Bridge from Grade 5 to Grade 6

Grade 5 Topics 14-16 may not have been covered in Spring, 2020. Two of these Grade 5 Topics are particularly important for success in Grade 6: Topics 14 and 16.

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Grade 5

1 Understand Place Value
2 Add and Subtract Decimals to Hundredths
3 Fluently Multiply Multi-Digit Whole Numbers
4 Use Models and Strategies to Multiply Decimals
5 Use Models and Strategies to Divide Whole Numbers
6 Use Models and Strategies to Divide Decimals
7 Use Equivalent Fractions to Add and Subtract Fractions
8 Apply Understanding of Multiplication to Multiply Fractions
9 Apply Understanding of Division to Divide Fractions
10 Understand Volume Concepts
11 Convert Measurements
12 Represent and Interpret Data
13 Algebra: Write and Interpret Numerical Expressions
14 Graph Points on the Coordinate Plane
15 Algebra: Analyze Patterns and Relationships
16 Geometric Measurement: Classify Two-Dimensional Figures

Key Grade 5 Lessons to Include in Grade 6

Topic 14

An understanding of the coordinate system, at least in the first quadrant, is needed before introduction to the coordinate system for all four quadrants. **Teach Grade 5 Lessons 14-1 and 14-2 before Grade 6 Lesson 2-4.**

Topic 15

This content in revisited in Grade 6.

Topic 16

Students are expected to know the classifications of triangles and quadrilaterals and the critical definitions and vocabulary related to these figures. **Teach Grade 5 Lessons 16-1, 16-2, and 16-3 before Grade 6 Topic 7.**

Grade 6 TOPICS

1 Use Positive Rational Numbers
2 Integers and Rational Numbers
3 Numeric and Algebraic Expressions
4 Represent and Solve Equations and Inequalities
5 Understand and Use Ratio and Rate
6 Understand and Use Percent
7 Solve Area, Surface Area, and Volume Problems
8 Display, Describe, and Summarize Data

Grade 6 Pacing Recommendation

There are **5 Key Grade 5 Lessons** from Topics 14–16 that you may need to incorporate into your Grade 6 lesson plans. Depending on your instructional needs, you may reduce the time allotted to additional program resources.

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Grade 7 Support

Bridge from Grade 6 to Grade 7

Grade 6 Topics 6-8 may not have been covered in Spring, 2020. All these Grade 6 Topics are important for success in Grade 7.

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Grade 6 TOPICS

1 Use Positive Rational Numbers
2 Integers and Rational Numbers
3 Numeric and Algebraic Expressions
4 Represent and Solve Equations and Inequalities
5 Understand and Use Ratio and Rate
6 Understand and Use Percent
7 Solve Area, Surface Area, and Volume Problems
8 Display, Describe, and Summarize Data

Key Grade 6 Lessons to Include in Grade 7

Topic 6

Students need an understanding of percent, relationships among fractions, decimals, and percents, and should be able to represent and estimate percents in order to be well prepared for the content in Grade 7 Topic 3. **Teach Grade 6 Lessons 6-1 through 6-4 before Grade 7 Topic 3.**

Topic 7

This critical content develops understanding of finding areas of two-dimensional figures by composing and decomposing them into simpler shapes. This is a critical understanding, as they apply this knowledge to composite shapes and to find surface areas of three-dimensional solids. **Teach Grade 6 Lessons 7-1, 7-3, 7-5, 7-6, and 7-7 before Grade 7 Lesson 8-8.**

Topic 8

This critical content establishes a strong basis for quantitative (measures of center, spread, and variability) and qualitative (overall shape) analysis of data sets represented in histograms, dot plots and box plots. **Teach Grade 6 Lessons 8-2, 8-3, 8-4, 8-5, and 8-7 before Grade 7 Lesson 6-2.**

Grade 7 TOPICS

1 Integers and Rational Numbers
2 Analyze and Use Proportional Relationships
3 Analyze and Solve Percent Problems
4 Generate Equivalent Expressions
5 Solve Problems Using Equations and Inequalities
6 Use Sampling to Draw Inferences About Populations
7 Probability
8 Solve Problems Involving Geometry

Grade 7 Pacing Recommendation

There are **14 Key Grade 6 Lessons** from Topics 6-8 that you may need to incorporate into your Grade 7 lesson plans. Depending on your instructional needs, you may reduce the time allotted to additional program resources.

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Grade 8 Support

Bridge from Grade 7 to Grade 8

Grade 7 Topics 6-8 may not have been covered in Spring, 2020. All these Grade 7 Topics are important for success in Grade 8.

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Grade 7 TOPICS

1 Integers and Rational Numbers

2 Analyze and Use Proportional Relationships

3 Analyze and Solve Percent Problems

4 Generate Equivalent Expressions

5 Solve Problems Using Equations and Inequalities

6 Use Sampling to Draw Inferences About Populations

7 Probability

8 Solve Problems Involving Geometry

Key Grade 7 Lessons to Include in Grade 8

Topic 6

This key content is critical for continued development of students' data experiences. Without these lessons, students miss out on using statistical measures to draw inferences about a population or to draw inferences comparing two populations. **Teach Grade 7 Lessons 6-1 through 6-4 anytime during Grade 8.**

Topic 7

Providing a foundational understanding of probability concepts is an important par of a strong middle school curriculum. These lessons introduce and develop a basic understanding of probability that will be further developed in high school. **Teach Grade 7 Lessons 7-1, 7-2, and 7-6 anytime during Grade 8.**

Topic 8

The language and mathematical representations of scale is important for describing dilations. **Teach Grade 7 Lessons 8-1 before Grade 8 Lesson 6-6.**

Understanding the circumference and area of a circle is critical for the work with surface areas and volumes of cylinders. **Teach Grade 7 Lesson 8-5 and 8-6 before Grade 8 Topic 8.**

By combining the concepts of the G7 lessons with the Grade 8 Topic 8 lessons, students will find surface areas and volumes of two- and three-dimensional composite figures. **Teach Grade 7 Lesson 8-8 and 8-9 before Grade 8 Topic 8.**

Grade 8 TOPICS

1 Real Numbers

2 Analyze and Solve Linear Equations

3 Use Functions to Model Relationships

4 Investigate Bivariate Data

5 Analyze and Solve Systems of Linear Equations

6 Congruence and Similarity

7 Understand and Apply the Pythagorean Theorem

8 Solve Problems Involving Surface Area and Volume

Grade 8 Pacing Recommendation

There are **12 Key Grade 7 Lessons** from Topics 6-8 that you may need to incorporate into your Grade 8 lesson plans. Depending on your instructional needs, you may reduce the time allotted to additional program resources.

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