

A Correlation of
INVESTIGATIONS
IN NUMBER, DATA, AND SPACE®



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To the
Nampa School District
Mathematical Essential Standards
Grade 5

**A Correlation of Investigations 3 in Number, Data, and Space ©2017
to the Nampa School District Essential Standards – Mathematics**

Grade 5 Units

Unit 1 - Puzzles, Clusters, and Towers

Unit 2 - Prisms and Solids

Unit 3 - Rectangles, Clocks, and Tracks

Unit 4 - How Many People and Teams?

Unit 5 - Temperature, Height, and Growth

Unit 6 - Between 0 and 1

Unit 7 - Races, Arrays, and Grids

Unit 8 - Properties of Polygons

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Nampa School District Mathematical Essential Standards Grade 5	Investigations 3 in Number, Data, and Space ©2017 Grade 5
Operations and Algebraic Thinking:	
5.OA.1 Use parentheses, brackets, or braces in numerical expressions, and evaluate expressions with these symbols.	Unit 1 Sessions 1.1, 1.4, 1.5
Numbers and Operations in Base 10:	
5.NBT.3 Read, write, and compare decimals to thousandths.	Unit 6 Sessions 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8, 2.3, 2.5, 2.6, 2.7, 2.8, 2.9 Unit 7 Session 2.2
5.NBT.5 Fluently multiply multi-digit whole numbers using the standard algorithm.	Unit 1 Sessions 1.1, 1.2, 1.3, 1.4, 1.5, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 3.2, 3.3 Unit 4 Sessions 1.1, 1.2, 1.3, 1.4, 1.5, 2.4, 2.5, 2.7, 3.1, 3.2, 3.3, 3.4, 3.5 Unit 8 Sessions 2.3, 2.4, 2.5
5.NBT.6 Find whole-number quotients of whole numbers with up to four-digit dividends and two-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.	Unit 1 Sessions 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7 Unit 4 Sessions 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 3.1, 3.2, 3.3, 3.4, 3.5
5.NBT.7 Add, subtract, multiply, and divide decimals to hundredths, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used.	Unit 6 Sessions 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9 Unit 7 Sessions 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 3.10, 3.11 Unit 8 Session 2.2

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Numbers and Operations--Fractions:	
5.NF.2 Solve word problems involving addition and subtraction of fractions referring to the same whole, including cases of unlike denominators, e.g., by using visual fraction models or equations to represent the problem. Use benchmark fractions and number sense of fractions to estimate mentally and assess the reasonableness of answers. For example, recognize an incorrect result $2/5 + 1/2 = 3/7$, by observing that $3/7 < 1/2$.	Unit 3 Sessions 1.1, 1.4, 1.5, 2.3, 2.5, 2.6, 2.7, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6
5.NF.6 Solve real world problems involving multiplication of fractions and mixed numbers, e.g., by using visual fraction models or equations to represent the problem.	Unit 7 Sessions 1.1, 1.2, 1.3, 1.4, 1.5, 1.7, 1.8 Unit 8 Sessions 2.3, 2.4, 2.5
5.NF.7 Apply and extend previous understandings of division to divide unit fractions by whole numbers and whole numbers by unit fractions.	Unit 7 Sessions 1.9, 1.10, 1.11, 3.9, 3.10, 3.11
Measurement and Data:	
5.MD.2 Make a line plot to display a data set of measurements in fractions of a unit. Use operations on fractions for this grade to solve problems based on information from line plot.	Unit 3 Sessions 3.4, 3.5, 3.6
5.MD.5 Relate volume to the operations of multiplication and addition and solve real world and mathematical problems involving volume.	Unit 2 Sessions 1.2, 1.3, 1.5, 1.6, 1.7, 1.8, 2.1, 2.2, 2.3, 2.4