

Northpoint Horizons' *Math Elevations*
 End-of-Unit Assessment to Lesson Correlations
 Level H, Grade 8

Problem Number	
Assessment Unit 1, Number Sense/Integers	Lesson Correlation
1	1.1, Integers and Absolute Value
2	1.1, Integers and Absolute Value
3	1.2, Adding Integers Using a Number Line; Adding Integers Using Absolute Value 1.3, Adding Integers Using a Number Line; Adding Integers Using Absolute Value
4	1.2, Adding Integers Using a Number Line; Adding Integers Using Absolute Value 1.3, Adding Integers Using a Number Line; Adding Integers Using Absolute Value
5	1.2, Adding Integers Using a Number Line; Adding Integers Using Absolute Value 1.3, Adding Integers Using a Number Line; Adding Integers Using Absolute Value
6	1.2, Adding Integers Using a Number Line; Adding Integers Using Absolute Value 1.3 Adding Integers Using a Number Line; Adding Integers Using Absolute Value
7	1.2, Adding Integers Using a Number Line; Adding Integers Using Absolute Value

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	1.3, Adding Integers Using a Number Line; Adding Integers Using Absolute Value
8	1.4, Subtracting Integers
9	1.4, Subtracting Integers
10	1.4, Subtracting Integers
11	1.5, Multiplying Integers
12	1.5, Multiplying Integers
13	1.5, Multiplying Integers
14	1.6, Dividing Integers
15	1.6, Dividing Integers
16	1.7, Exponents
17	1.7, Exponents
18	1.8, Square Roots
19	1.8, Square Roots
20	1.8, Square Roots
Assessment Unit 2, Number Theory/Fractions and Exponents	
1	2.1, Factors and Prime Factorization
2	2.1, Factors and Prime Factorization
3	2.2, Greatest Common Factor
4	2.2, Greatest Common Factor
5	2.2, Greatest Common Factor
6	2.3, Least Common Multiple
7	2.3, Least Common Multiple
8	2.3, Least Common Multiple
9	2.4, Adding and Subtracting Fractions
10	2.4, Adding and Subtracting Fractions
11	2.5, Multiplying and Dividing Fractions and Mixed Numbers
12	2.5, Multiplying and Dividing

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	Fractions and Mixed Numbers
13	2.5, Multiplying and Dividing Fractions and Mixed Numbers
14	2.6, Rules of Exponents
15	2.6, Rules of Exponents
16	2.7, Negative and Zero Exponents
17	2.7, Negative and Zero Exponents
18	2.7, Negative and Zero Exponents
19	2.8, Scientific Notation
20	2.8, Scientific Notation
Assessment Unit 3, Algebra	
1	3.1, Commutative, Associative, and Distributive Properties
2	3.1, Commutative, Associative, and Distributive Properties
3	3.2, Order of Operations
4	3.2, Order of Operations
5	3.3, Substituting Values for Variables in Equations
6	3.3, Substituting Values for Variables in Equations
7	3.4, Solving Equations Using Addition or Subtraction
8	3.4, Solving Equations Using Addition or Subtraction
9	3.4, Solving Equations Using Addition or Subtraction
10	3.5, Solving Equations Using Multiplication or Division
11	3.5, Solving Equations Using Multiplication or Division
12	3.5, Solving Equations Using Multiplication or Division
13	3.6, Solving Inequalities by Addition and Subtraction
14	3.6, Solving Inequalities by Addition and Subtraction

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15	3.6, Solving Inequalities by Addition and Subtraction
16	3.7, Solving Inequalities Using Multiplication and Division
17	3.7, Solving Inequalities Using Multiplication and Division
18	3.8, Pythagorean Theorem
19	3.8, Pythagorean Theorem
20	3.8, Pythagorean Theorem
Assessment Unit 4, Advanced Algebra and Functions	
1	4.1, Ratios and Rates
2	4.1, Ratios and Rates
3	4.1, Ratios and Rates
4	4.2, Writing and Solving Proportions
5	4.2, Writing and Solving Proportions
6	4.3, Scale Drawings and Models
7	4.3, Scale Drawings and Models
8	4.3, Scale Drawings and Models
9	4.4, Fractions, Decimals, and Percents
10	4.4, Fractions, Decimals, and Percents
11	4.5, Solving Percent Problems Using a Proportion
12	4.5, Solving Percent Problems Using a Proportion
13	4.6, Using Proportions to Solve Other Percent Problems
14	4.6, Using Proportions to Solve Other Percent Problems
15	4.6, Using Proportions to Solve Other Percent Problems
16	4.7, Percent of Change
17	4.7, Percent of Change

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18	4.8, Percent Applications
19	4.8, Percent Applications
20	4.8, Percent Applications
Assessment Unit 5, Ratio, Proportion, and Percent	
1	5.1, Solving Two-Step Equations
2	5.1, Solving Two-Step Equations
3	5.2, Solving Multi-Step Equations
4	5.2, Solving Multi-Step Equations
5	5.2, Solving Multi-Step Equations
6	5.3, Translating and Solving Word Problems
7	5.3, Translating and Solving Word Problems
8	5.3, Translating and Solving Word Problems
9	5.4, Relations and Functions
10	5.4, Relations and Functions
11	5.5, Two-Variable Equations
12	5.5, Two-Variable Equations
13	5.6, Graphing Linear Functions
14	5.6, Graphing Linear Functions
15	5.7, Interpreting Linear Functions
16	5.7, Interpreting Linear Functions
17	5.7, Interpreting Linear Functions
18	5.8, Slope
19	5.8, Slope
20	5.8, Slope
Assessment Unit 6, Geometry	
1	6.1, Angles
2	6.2, Angles in Parallel Lines Cut by a Transversal
3	6.2, Angles in Parallel Lines Cut by a Transversal
4	6.2, Angles in Parallel Lines Cut by a Transversal
5	6.2, Angles in Parallel Lines Cut by

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	a Transversal
6	6.3, Polygons
7	6.3, Polygons
8	6.4, Sum of Angles in Polygons
9	6.4, Sum of Angles in Polygons
10	6.4, Sum of Angles in Polygons
11	6.5, Congruent Triangles
12	6.5, Congruent Triangles
13	6.6, Similarity and Dilations
14	6.6, Similarity and Dilations
15	6.6, Similarity and Dilations
16	6.7, Reflections and Translations in the Coordinate Plane
17	6.7, Reflections and Translations in the Coordinate Plane
18	6.7, Reflections and Translations in the Coordinate Plane
19	6.8, Rotations in the Coordinate Plane
20	6.8, Rotations in the Coordinate Plane
Assessment Unit 7, Measurement	
1	7.1, Area of a Trapezoid
2	7.1, Area of a Trapezoid
3	7.1, Area of a Trapezoid
4	7.2, Circumference of a Circle
5	7.2, Circumference of a Circle
6	7.3, Area of a Circle
7	7.3, Area of a Circle
8	7.3, Area of a Circle
9	7.4, Surface Area of a Prism
10	7.4, Surface Area of a Prism
11	7.5, Surface Area of a Cylinder
12	7.6, Surface Area of a Pyramid and a Cone
13	7.6, Surface Area of a Pyramid

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	and a Cone
14	7.6, Surface Area of a Pyramid and a Cone
15	7.7, Volume of a Prism and a Cylinder
16	7.7, Volume of a Prism and a Cylinder
17	7.7, Volume of a Prism and a Cylinder
18	7.8, Volume of a Pyramid and a Cone
19	7.8, Volume of a Pyramid and a Cone
20	7.8, Volume of a Pyramid and a Cone
Assessment Unit 8, Probability, Statistics, and Data Analysis	
1	8.1, Counting Methods
2	8.1, Counting Methods
3	8.2, Making Predictions
4	8.2, Making Predictions
5	8.2, Making Predictions
6	8.3, Mean, Median, and Mode
7	8.3, Mean, Median, and Mode
8	8.3, Mean, Median, and Mode
9	8.4, Scatter Plots
10	8.4, Scatter Plots
11	8.5, Box-and-Whiskers Plots
12	8.5, Box-and-Whiskers Plots
13	8.5, Box-and-Whiskers Plots
14	8.6, Line Graphs
15	8.6, Line Graphs
16	8.7, Circle Graphs
17	8.7, Circle Graphs
18	8.8, Appropriate Graphs
19	8.8, Appropriate Graphs

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20	8.8, Appropriate Graphs
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