	Strand: Ratios and Proportional Relationships (RP) – 7th Grade			
	Topic:			
 Describe relationships of similar polygons Solve p 		roblems involving proportions		
•	Describe the effect of scale factor • Comp	are or contrast varying rates of change		
Score	In addition to Score 3.0, in-depth inferences and applications that go beyond what	Sample Tasks		
4.0	was taught.	A video cassette recorder uses 2 m of tape in 3 minutes. When set on extended play. $\frac{2}{3} = \frac{n}{240}$ Determine if the proportion is set up correctly. If incorrect, set up correctly then solve.		
	3.5 In addition to score 3.0 performance, in-depth inferences and applications with partial success.			
Score 3.0	The student: • Analyze proportional relationships and use them to solve real-world and mathematical problems The student exhibits no major errors or omissions.	Consistently solve proportions, unit rates, and scale factors $\frac{18}{32} = \frac{m}{16}$		
	No major errors or omissions regarding 2.0 content and partial knowledge of the 3.0 content			
Score 2.0	There are no major errors or omissions regarding the simpler details and processes as the student: • recognizes or recalls specific terminology such as: • Ratio, Rate, Unit Rate, Scale Factor, Proportion, Proportional, Equivalent, Quantity, Probability • performs basic processes, such as: • Recognizes equivalent fractions, decimals and percents at the benchmark level • Solve basic problems using ratios and rates However, the student exhibits major errors or omissions regarding the more complex ideas and processes.	Recognizes vocabulary in when presented with a matching vocabulary to definition.		
	1.5 Partial knowledge of the 2.0 content but major errors or omissions regarding the 3.0 content			
Score 1.0	With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes. 0.5 With help, a partial understanding of the 2.0 content but not the 3.0 content			
Score	Even with help, no understanding or skill demonstrated.			
0.0	Even with help, no understanding of skin demonstrated.			

	Strand: Number S	ystems (7 th Gra	ade)		
Topic:					
•		Fractions, decimals, and percents			
		e, order, and recognize all positive rational numbers			
Score	In addition to Score 3.0, in-depth inferences and applications that go	beyond what	Sample Tasks		
4.0	was taught.		Did Susan solve this correctly? If she did not, correct her error and solve the	3 ²⁰ + 2 ² = 3 ²⁰ + 2 ² =	
			problem.	3 ²⁴ = 3+1 ¹ /24 = 4 ¹ /24	
	3.5 In addition to score 3.0 performance, in-depth inferences and applications with p	artial success.			
Score	The student:		2.5		
3.0	Apply and extend previous understandings of operations to		$2\frac{5}{6} + 3\frac{5}{8} =$		
	decimals, percents, and integers to add, subtract, multiply a rational numbers.	nd divide			
	rational numbers.				
	The student exhibits no major errors or omissions.				
	2.5 No major errors or omissions regarding 2.0 content and partial knowledge of the	3.0 content			
Score		nere are no major errors or omissions regarding the simpler details and processes		ed with a	
2.0	as the student:		matching vocabulary to definition.		
	 recognizes or recalls specific terminology such as: 				
	o Fractions, Decimals Percent, Integer, Rational Number, Al				
	Negative, Positive, Additive Inverse, Opposite, Number li				
	Order of Operations, Sum, Difference, Quotient, Product,	Exponent			
	performs basic processes, such as:				
	 Locate numbers on a number line 				
	 Using rational numbers 				
	Recognize and Generate benchmark percents/fraction/decomposition	eimal			
	Multiply and divide positive rational numbers				
	However, the student exhibits major errors or omissions regarding the	ie more			
	 complex ideas and processes. 1.5 Partial knowledge of the 2.0 content but major errors or omissions regarding the 	3 O content			
Score	With help, a partial understanding of some of the simpler details and processes and				
1.0	complex ideas and processes.				
	0.5 With help, a partial understanding of the 2.0 content but not the 3.0 content				
Score 0.0	Even with help, no understanding or skill demonstrated.				

Strand: Expressions and Equations (7 th Grade)				
Topics	Γopic: • Compare, contrast and analyze patterns • Identify		y functions as linear or non-linear	
•	Solve linear equations with one variable			
Score	In addition to Score 3.0, in-depth inferences and applications that g	o beyond what	Sample Tasks	
4.0	was taught.		2n+3n-7n=7	
			5n -7n ≈ 7 -2n ≈ 7	
			- 1 20 - 1	
	3.5 In addition to score 3.0 performance, in-depth inferences and applications with p	autial sugges	n= -3.5	
G		arnai success.	2 . 0 . 0	
Score 3.0	The student:	h	3n + 8 = 8	
3.0	 Use real life mathematical problems using numerical and alg expressions and equations 	gebraic		
	 Use properties of operations to generate equivalent expressions 	ne.		
	The student exhibits no major errors or omissions.)115		
	2.5 No major errors or omissions regarding 2.0 content and partial knowledge of the	3.0 content		
Score	There are no major errors or omissions regarding the simpler details	and processes	Recognizes vocabulary in when presented with a	
2.0	as the student:		matching vocabulary to definition.	
	 recognizes or recalls specific terminology such as: 			
	o Expression, Equation, Variable, Inverse, Linear, Non-Linear			
	Sum, Difference, Quotient, Product, Associative Property, I	Distributive		
	Property, Commutative Property			
	• performs basic processes, such as:			
	o Represent patterns with tables, graphs, pictures, symbolic	rules or words		
	o Identify patterns			
	Substitution – substitute a number for a variable Identify linear/nep linear			
	 Identify linear/non-linear However, the student exhibits major errors or omissions regarding the 	10 moro		
	complex ideas and processes.	ie more		
	1.5 Partial knowledge of the 2.0 content but major errors or omissions regarding the	3.0 content		
Score	With help, a partial understanding of some of the simpler details and processes and			
1.0	complex ideas and processes. 0.5 With help, a partial understanding of the 2.0 content but not the 3.0 content			
Score	Even with help, no understanding or skill demonstrated.			
0.0	2			

Strand: Geometry (7 th Grade)				
	 Use coordinate geometry Draw/use visual models to solve problems Convert within a system of measurement Identify equivalent area and volume measurement Solve problems involving area, perimeter and/or circumference 			
Score 4.0	In addition to Score 3.0, in-depth inferences and applications that go beyond what was taught.		Sample Tasks You are the teacher. Did Johnny graph the point correctly? If he did not graph it correctly and explain what he did wrong.	
	3.5 In addition to score 3.0 performance, in-depth inferences and applications with p	artial success.		
Score 3.0			Graph points on a coordinate grid.	
	The student exhibits no major errors or omissions. 2.5 No major errors or omissions regarding 2.0 content and partial knowledge of the 3.0 content			
Score 2.0	 There are no major errors or omissions regarding the simpler details and recognizes or recalls specific terminology such as: Triangle, Quadrilateral, Square, Rectangle, Trapezoid, Rhomb Prism, Cylinder, Arc, Area, Perimeter, Volume, Circumference Area, Cubic Unit, Square Unit, Parallel, Similar, Congruent, SFlip, Reflection, Rotation, Translation, Perpendicular, Scalend Angle performs basic processes, such as: 	d processes as the student: ous, Hexagon, Octagon, Circle, e, Radius, Pi, Diameter, Surface upplementary, Complementary,	Recognizes vocabulary in when presented with a matching vocabulary to definition.	
.0	o Identify complementary and supplementary angles o Identify map pl	nized dilations, coordinate systems les Isometric representations of an y similar/congruent shapes		
	However, the student exhibits major errors or omissions regarding the r	nore complex ideas and processes.		
	1.5 Partial knowledge of the 2.0 content but major errors or omissions regarding the			
Scor e 1.0	With help, a partial understanding of some of the simpler details and processes and som	e of the more complex ideas and processes.		
	0.5 With help, a partial understanding of the 2.0 content but not the 3.0 content			
Score 0.0	Even with help, no understanding or skill demonstrated.			

	Strand: Statistics and Proba	oility (7 th Grade)		
Topic				
•	Select, create and use graphical representations of data	Compute the probability of	f an event	
•	Find, use and interpret measures of central tendency	Use graphical data to repre	data to represent differences between samples	
Score	In addition to Score 3.0, in-depth inferences and applications that go beyond what was		Sample Tasks	
4.0	taught.	tennis team pra hour and for at teammate does shown. What m teammate make	istake does your	
	3.5 In addition to score 3.0 performance, in-depth inferences and applications with partial su			
Score	The student:		oss: What is the probability of a coin	
3.0	• Use random sampling to draw inferences about one or more pop		ossed 100 times landing on heads?	
	 Investigate chance processes and develop, use, and evaluate probe 	bility models o	1: 2, ½, 50%	
	 The student exhibits no major errors or omissions. 2.5 No major errors or omissions regarding 2.0 content and partial knowledge of the 3.0 con 	nt		
Score 2.0	There are no major errors or omissions regarding the simpler details and p student: • recognizes or recalls specific terminology such as: • Statistics, Probability, Stem & Leaf, Box-and-whisker, bar graph, line graph, Measures of central tendency, mean, me range, greatest, least • performs basic processes, such as: • Interpret circle graphs • Draw a graph from a set of data However, the student exhibits major errors or omissions regarding the morand processes.	erocesses as the Recogni with a magraph, circle dian, mode,	zes vocabulary in when presented natching vocabulary to definition.	
	1.5 Partial knowledge of the 2.0 content but major errors or omissions regarding the 3.0 cont			
Score 1.0	With help, a partial understanding of some of the simpler details and processes and some of ideas and processes.	he more complex		
1.0	0.5 With help, a partial understanding of the 2.0 content but not the 3.0 content			
Score	Even with help, no understanding or skill demonstrated.			
0.0				