

Materials: Spiraling Review Cards run on cardstock and cut for each group of students. Note: Record all work in your math journal.

	a all work in your math journal.					
Day 1	Distribute a set of the Spiraling Review Cards to each table group of four, with the					
	decimal card separated from the deck. Shuffle the deck, and place it face down on the					
Spiraling	table.					
review cards	Each student pair will draw 4 cards from the deck and arrange them to create a					
see	decimal number that has the tenths place and is the greatest possible value.					
attachment	Record the number in your math journal.					
	Place the cards back in the deck. Shuffle the cards. The student pairs will draw 4					
	more cards from the deck and arrange them to create a number with the smallest					
	possible value. Record the number in your math journal.					
	a) Driver to beginning the game discuss your strategy with your partner on how to greate					
	a) Prior to beginning the game, discuss your strategy with your partner on how to create					
	the greatest and smallest possible numbers. Record a written description of your					
	strategy in your math journal.					
	b) Record the numbers you created from the first 4 cards drawn. Write a statement to					
	justify why the number is the greatest possible value.					
	c) Record the numbers you created from the second 4 cards drawn. Write a statement to					
	justify why the number is the smallest possible value.					
	d) Find the difference between your greatest and your least created numbers.					
	e) Find the difference of the other pair of students at your table and describe how it					
	compares to your difference.					
Day 2	Mrs. Neumann has 60 markers, 45 pencils, and 30 highlighters. She wants to divide the					
	school supplies into equal groups.					
	a) What is the greatest number of groups she can make using all the supplies? Justify					
	your response.					
	b) What is the math vocabulary term that represents the greatest number of groups?					
Day 3	Andrew goes to school 8 hours during a 24 hour period.					
	a) Write a ratio that compares the number of hours he goes to school to the number of					
	hours he in not at school.					
	b) Write this ratio as fraction, decimal and percent.					
Day 4	Oranges are on sale for \$0.35 each. Juan wants to buy 15 oranges. He tells his Mom the					
	oranges will cost approximately \$4.50.					
	a) Does Juan's estimate make sense? Justify your response.					
	b) Explain what Juan might have done to get his estimated cost of \$4.50.					
Day 5	7					
	John ate $\frac{1}{4}$ of his pizza, and Sharon ate $\frac{1}{4}$ of her pizza. The pizzas were the same					
	4 1Z					
	size.					
	a) Who ate more pizza? How much more did they eat? Justify your response.					
	b) Draw a diagram to support your response.					

Sixth Grade Spiraling Review Week 2 of Third Six Weeks

Note: Record all work in your math journal.

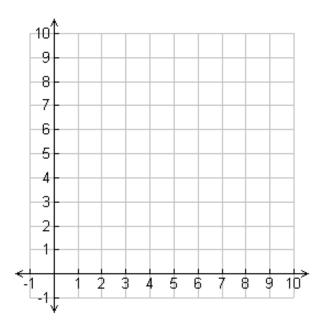
Day 1

Brooke is on her way to the public library. Her house is located at point (4, 3). The library

is located at point $(5\frac{1}{2}, 7)$. After Brooke checks out a book at the library, she walks to the

store to get her mother some milk, located at point $(4\frac{1}{2}, 5\frac{1}{2})$. After this, she returns

home. Use the coordinate grid provided to locate and name each destination on Brooke's daily trip.



Day 2

Anthony ran $\frac{8}{3}$ miles on Saturday for his fitness training.

- a) Write the number of miles he ran as a decimal.
- b) Explain the process you used to change the number of miles to a decimal.
- c) Draw a number line and indicate where this decimal would be most reasonably placed.
- d) Describe how you located this decimal on the number line.

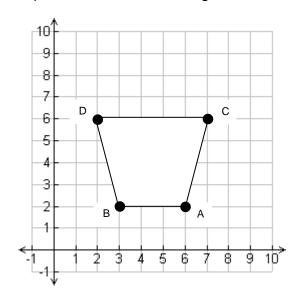
Day 3

Mr. Green noticed that 56% of his students have returned the required form for the school dance.

- a) Write the decimal that represents the percent of his students who have **NOT** returned the required form.
- b) Draw a number line and indicate the location of the decimal that represents the students who did **NOT** return the required form.
- c) Describe how you located this decimal on the number line.

Day 4

A trapezoid is shown on the grid below:



- a) List the ordered pairs of the vertices on the trapezoid above
- b) Identify the attributes of the x and y values in Quadrant I.

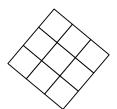
Day 5



Stage 1 Perimeter = 4



Stage 2 Perimeter = 8



Stage 3 Perimeter = 12

This diagram represents a relationship between the stages and their perimeters.

Stage	Process	Perimeter
1		
2		
3		
4		

- a) Use the data from the diagram to complete the table
- b) Formulate an expression from the data representing the relationship between the stage and the perimeter.
- c) What would the perimeter be at Stage 10?

Sixth Grade Spiraling Review Week 3 of Third Six Weeks

Note: Record all work in your math journal.

Day 1	Use the rule: 6n – 4					
•	a) Write the first five terms for the sequence that follows the rule.					
	b) What would the value of the 10th term be?					
Day 2	The table shows David's age and Victoria's age over five consecutive years.					
Day 2	Victoria	David				
	3	Bavid 6				
	4	8	 			
	5	10	 			
	6	12	 			
	7	14				
	n					
		n that would represe	ent David's age in terms of Maria's age.			
Day 3	Beth drives her car to and from work each day. Her house is 6 kilometers from workplace.					
	1 *	itput in terms of each	he total number of kilometers, k , Beth drives a day, d , as the input. al or not.			
Day 4	Coach Hernandez is buying new volleyball uniforms for her players. The list shows the prices for uniforms at two different stores.					
	The Sports Edge: 2 uniforms for \$44 Sport Shop: 3 uniforms for \$60					
	a) Write an equation to find the total cost, <i>t</i> , for uniforms, <i>f</i> , at each shop.					
	a) Write an equation t	o find the total cost	t for uniforms f at each shop			
	_ ·		·			
	b) If he buys 6 uniform	ns, what would be th	·			
Day 5	b) If he buys 6 uniform c) Coach Hernandez from?	ns, what would be the decides to purchase starting a dog-walki	ne cost at each store?			

Sixth Grade Spiraling Review Week 4 of Third Six Weeks

Note: Record all work in your math journal.

Day 1	Angle A Angle B Angle C					
	*					
	a) How would you classify each of the three angles?					
	b) What are the characteristics of Angle A?					
	c) What are the characteristics of Angle C?					
Day 2	70 80 90 100 1/0 10 100 100 1 80 80 1/0 10 100 100 1 80 80 80 1/0					
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					
	a) What is the measure of Angle Q to the nearest degree?					
	b) How would you classify Angle Q?c) Angle Q is how many degrees shy of being classified as a right angle?					
Day 3	Marco and his mother went shopping to buy him some new shirts on the tax free weekend. Marco saw a sale sign on his favorite shirts that said 3 for \$45. Marco's mother gave him \$75.					
	a) How many shirts can Marco buy? Justify your response.					
	b) Draw a diagram to support your response.					
Day 4	38°					
	a) What are the measurements of the two unknown angles?					
	b) What is the angle measured at 38° classified as?c) Using angle measures, classify this triangle as acute, obtuse or right and isosceles, scalene, or equilateral.					
Day 5	Ms. Seifert is choosing a new phone plan. The company charges \$20 a month and \$0.03 per minute used.					
	a) Write an equation that can be used to find, t, the monthly total for, m, minutes.					

Sixth Grade Spiraling Review Week 5 of Third Six Weeks

Note: Record all work in your math journal.

	d all work in your math journal.						
Day 1	Use Trapezoid FGHJ for the following questions:						
	F G						
	н 🖵						
	a) Which of the following angles in the figure are right angles?						
	b) Which angle(s) could be considered obtuse?						
	c) What are the characteristics of an obtuse angle?						
	d) Are there any acute angles in the figure, if so, which angle?						
D === 0							
Day 2	Juanita measured the height of her basketball goal. She recorded 12 feet for the height.						
) II						
	a) How would she record this height in yards? Explain the process.						
	b) How would she record this height in inches? Explain the process.						
Day 3	The triangle below is scalene.						
	В						
	\sim c						
	A						
	a) Describe the characteristics of angles in $\triangle ABC$.						
	b) Classify Angle A and Angle C.						
Day 4	Mary needed to simplify the expression: $23 + (16 - 9) \times 4 \div 2$ on her test. She calculated						
	37 for her solution.						
	a) Did Mary simplify the expression correctly? If not, what is the correct solution?						
	b) Explain the process you used to simplify this expression.						
Day 5							
Day 5							
	A Million in the second of Annals I O						
	a) What is the measurement of Angle L?						
	b) What is the sum of the internal angles in this quadrilateral?						
	c) Identify three characteristics of this rectangle.						

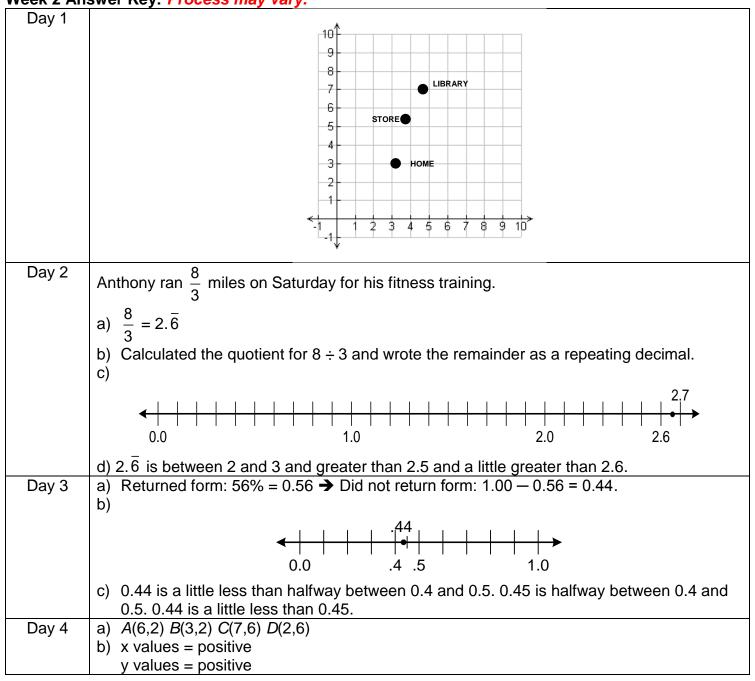


Answer Keys (pp. 1 of 4)

Week 1 Answer Key: Process may vary.

Week I An	swer Key: <i>Process may vary.</i>				
Day 1	Answers will vary depending on the cards drawn.				
Day 2	a) 15 groups:				
	Factors of 60: 1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30, 60				
	Factors of 45: 1, 3, 5, 9, 15, 45				
	Factors of 30: 1, 2, 3, 5, 6, 10, 15, 30				
	As she divides up the markers, pens, and highlighters equally, there will be 15 groups				
	with 4 markers, 3 pencils, and 2 highlighters in each group.				
	b) Greatest Common Factor				
Day 3	a) 8 hours in school to 16 hours not in school OR 8 hours in school; 16 hours not in				
	school OR 8 _ hours in school				
	school OR $\frac{8}{16} = \frac{\text{hours in school}}{\text{hours not in school}}$				
	8 1 0 5 and 500/				
	b) $\frac{8}{16} = \frac{1}{2}$, 0.5, and 50%				
Day 4	a) No, the approximation is low. At \$0.35 per orange, 10 oranges would be \$3.50 and 5				
	oranges would cost half of \$3.50 which is \$1.75 → 15 oranges cost \$3.50 + \$1.75 =				
	\$5.25.				
	b) He might have calculated the cost by using \$0.30 instead of \$0.35 per orange → 10				
	oranges would be \$3.00 and 5 oranges would be half of \$3.00 which is \$1.50 → 15				
	oranges would cost \$3.00 + \$1.50 = \$4.50.				
Day 5	a) John: $\frac{3}{4} \times \frac{3}{3} = \frac{9}{12}$; $\frac{9}{12} > \frac{7}{12}$; $\frac{3}{4} - \frac{7}{12} = \frac{9}{12} - \frac{7}{12} = \frac{2}{12} \div \frac{2}{2} = \frac{1}{6}$				
	$\begin{bmatrix} a \\ 1 \end{bmatrix} = \begin{bmatrix} a $				
	b)				
	John Sharon				
	3 3 9 7				
	$\frac{3}{4} \times \frac{3}{3} = \frac{9}{12}$ and $\frac{7}{12}$				

Week 2 Answer Key: Process may vary.



Answer Keys

(pp. 3 of 4)

Week 2 Answer Key (cont.): Process may vary.

a)

Day 5

Stage	Process	Perimeter	
1	1 • 4	4	
2	2 • 4	8	
3	3 • 4	12	
4	4 • 4	16	

- b) 4n
- c) perimeter = 40 at Stage 10

Week 3 Answer Key: Process may vary.

110011 0 7 111	Swei Ney. Flucess III	ay varyr					
	a) $6(1) - 4 = 2$; $6(2) - 4 = 8$; $6(3) - 4 = 14$; $6(4) - 4 = 20$; $6(5) - 4 = 26$						
Day 1	2, 8, 14, 20, 26						
	b) $6(10) - 4 = 56$						
	56						
Day 2	a) 2 <i>n</i>						
	a)						
				_			
	Day	Process	Kilometers				
	0	0 • 12	0				
Day 3	1	1 • 12	12				
	2	2 • 12	24				
	3	3 • 12	36				
	4	4 • 12	48				
	b) Dramantianal, than	is a sometont matic					
	1		and the table cor	ntains the point (0,0).			
	a) Sports Edge: $2x = 44						
	Sport Shop: 3x:						
	b) Sports Edge: CO	$\frac{8t}{1} = \frac{$44}{1} = \frac{$22}{1} = \frac{$44}{1}$	Sport Shop	$: \frac{\cos t}{uniforms} = \frac{\$60}{3} = \frac{\$20}{1} = \frac{\$120}{6}$			
Day 4	unifo	rms 2 1	6	uniforms 3 1 6			
Day 4							
	\$22 \$220 Sport Short \$20 \$200						
	c) Sports Edge: $\frac{$22}{1} = \frac{$220}{10}$; Sport Shop: $\frac{$20}{1} = \frac{$200}{10}$						
	<u> </u>	ould be the better b					
Day 5	a) $c = 12 + 3.5h$,				

Sixth Grade Spiraling Review Third Six Weeks

Answer Keys (pp. 4 of 4)

Week 4 Answer Key: *Process may vary.*

	a) A	ngle A = acute	e Ang	le B = right	Angle C=	obtuse		
Day 1	 b) An acute angle has a measurement of more than 0° and less than 90°. c) An obtuse angle has a measurement of more than 90° and less than 180°. 							
David a) 61°								
Day 2	d) A	n acute angle						
	e) 90° - 61° = 29°							
	a) 5	shirts → cost	of 1 shirt = $\$4$	45 ÷ 3 = \$15.	\$75 ÷ \$15 = 5	shirts → 5 x	\$15 = \$75	
	b)		·	·				
Day 3		3 shirts for \$45		3 shirts for \$45]		
			5 shir	ts for \$75 = 5	x \$15			_
		\$15	\$15	\$15	\$15	\$15	\$15	
	2, 18	$\frac{30-38}{30}=\frac{142}{30}=$	740					
Day 1	a) -	= =	7 1					
Day 4	b) Ad	b) Acute						
	,	c) This is an acute isosceles triangle						
Day 5		20 + .03m = t						

Week 5 Answer Key: Process may vary.

Week 5 Alls	wei key. Process may vary.					
	a) Angle F and Angle H are both right angles and congruent					
Day 1	b) Angle G					
	c) Obtuse angle has an angle measurement of more than 90° but less than 180°					
	d) Angle J					
Day 2	a) 4 yards, you divide 12 by 3					
	b) 144 inches, you multiply 12 by 12					
Day 3	a) △ABCis obtuse scalene					
	b) Angle $A =$ obtuse Angle $C =$ acute					
	a) Yes					
	b) Follow correct order of operations: (—); x; ÷; +					
D . 4	$23 + (16 - 9) \times 4 \div 2$					
Day 4	$= 23 + 7 \times 4 \div 2$					
	= 23 + 28 ÷ 2					
	= 23 + 14					
	= 37					
	a) 90°					
	b) 360°					
D =	c) Possible answers: Both pairs of opposite sides are parallel					
Day 5	Both pairs of opposite sides are congruent					
	All angles are 90°					
	Both pairs of opposite angles are congruent					
	both pairs of opposite angles are congruent					

Spiraling Review Cards

	Spiraling Re	2	3
4	5	6	
8	9		