Grade 6

Unit 5 Week 6

Parents: Please help your child choose the most appropriate assignment(s) to complete each day. When the day's assignment is done, students finish the two reflection statements on this page.

Please note Extra Practice activities are on-level for the grade level. Re-Engage activities give students additional support. Special Education students should use the Re-Engage lessons as shown in the weekly plans.

	Monday	Tuesday	Wednesday	Thursday	Friday
Topic	Write one and two-step expressions.	Identify multi-step expressions that represent real world mathematical scenarios.	Write equations with variables.	Apply my knowledge of writing expressions and equations with variables.	Solve algebraic equations with variables.
Assignment	Unit 5 Lessons 1-2 Re-Engage Extra Practice	Unit 5 Lesson 3 Re-Engage Extra Practice	Unit 5 Lesson 5 Re-Engage Extra Practice	Unit 5 Lesson 6 Homework	Unit 5 Lesson 8 Re-Engage B Re-Engage C Extra Practice
Video link	Unit 5 Lessons 2 English Spanish Student Support Video	Unit 5 Lesson 3 English Spanish Student Support Video	Unit 5 Lesson 5 English Spanish Student Support Video	(no video for Math Tasks)	Unit 5 Lesson 8 English Spanish Student Support Video
Fluency Practice	Division A Dividends within 100 (70 items)	Division B Dividends within 100 (70 items)	Mixed Multiplication & Division	Division A Dividends within 100 (70 items)	Division B Dividends within 100 (70 items)
tion	One thing I was successful with is	One thing I was successful with is	One thing I was successful with is	One thing I was successful with is	One thing I was successful with is
Reflec	One thing I need more help with is	One thing I need more help with is	One thing I need more help with is	One thing I need more help with is	One thing I need more help with is

Find this packet on swunmath.com. Click on the hyperlinks to jump to the lesson videos.



Re-Engage Unit 5 Lessons 1-2: Represent Expressions & Equations with Models



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Date:

Model

Steps:

Greg has two more than 3 times as many hats as Edward. Write an algebraic expression to represent the 1. Read and understand the number of hats Greg has. problem. 2. Identify the variable. hats $\rightarrow h$ variable: 3. Look for key words. 4. Construct the expression. 3 times as two more many hats key words: (3*h*) (+2) expression: 3*h* + 2

Structured Guided Practice

Directions: Write an expression for each situation.

 The county fair charges \$15 for admission and \$2 per ticket for every ride. Write an expression to represent the total amount spent by a guest. 	2. Reagan has 3 more than twice as many stickers as Kennedy. Write an expression to represent the number of stickers Reagan has.		
variable:	variable:		
key words:	key words:		
expression:	expression:		



Re-Engage Unit 5 Lessons 1-2: Represent Expressions & Equations with Models



Student Practice

Directions: Write an expression for each situation.

 A regional park charges \$5 to enter and \$0.50 per ticket to go on rides. Write an expression to represent the total amount spent by a guest. 	2. Niko has 4 more stars than six times as many stars as Jude. Write an expression to represent the number of stars Niko has.		
variable:	variable:		
key words:	key words:		
expression:	expression:		
3. Katie earned \$25.00 baby sitting on Friday. She earned some more money on Saturday night. Write an expression that shows how much she earned in total.	4. Judy has 3 less than twice as many candies as Rebecca. Write an expression to represent the amount of candies Judy has.		
3. Katie earned \$25.00 baby sitting on Friday. She earned some more money on Saturday night. Write an expression that shows how much she earned in total.	4. Judy has 3 less than twice as many candies as Rebecca. Write an expression to represent the amount of candies Judy has. variable:		
3. Katie earned \$25.00 baby sitting on Friday. She earned some more money on Saturday night. Write an expression that shows how much she earned in total.	4. Judy has 3 less than twice as many candies as Rebecca. Write an expression to represent the amount of candies Judy has. variable: key words:		



Name: _____

Extra Practice	
Init 5 Lesson 2: Write One- and Two-Step	
xpressions	

Date: _____

Directions: Write an expression and explain what the variable represents.

1. Paul earned \$30.00 washing cars on Friday. He earned more money washing cars on Saturday. Write an expression that shows the amount of money Paul has earned.	2. Tyler has six more than twice as many pencils as Gina. Write an expression to represent the number of pencils Tyler has.
3. An amusement park charges \$45 to	4. Mario has five more than twice as
enter and \$0.55 per ride ticket.	many quarters as Susan. Write an
Write an expression to represent	expression to represent the
the total amount spent by a guest.	number of quarters Mario has.



Extra Practice Unit 5 Lesson 2: Write One- and Two-Step Expressions

Directions: Write an expression and explain what the variable represents.

5. Chris has two more than three times as many guitar picks as Greg. Write an expression to represent the number of guitar picks Chris has.	6. At a movie theater, an adult ticket costs \$14 and a child ticket costs \$9. Write an expression to represent the amount of money a family would pay for tickets at this movie theater.
7. Stephanie earned \$20.00 tutoring on Monday. She earned more money tutoring on Tuesday. Write an expression that shows the amount of money Stephanie has earned.	8. Billy has three more than twice as many marbles as Richard. Write an expression to represent the number of marbles Billy has.



Name:

Date: ___

Model

<u>Steps</u>:

- 1. Read and understand the problem.
- 2. Identify the variable(s) and key words.
- 3. Examine the expressions. Decide which expression represents the scenario in the problem.
- 4. Explain your thinking.

A cell phone company charges \$0.15 per minute for out-ofstate calls and \$0.35 per minute for international calls. Which expression represents the total cost of <u>x</u> minutes of out-of-state calls and <u>y</u> minutes of international calls?

- A. \$0.15(*x* + *y*)
- B. \$0.15*x* + \$0.35*y*

Answer: <u>B</u> Explanation: Each out-of-state call (x) costs \$0.15 each minute. That is \$0.15x. Each international call (y) costs \$0.35. That is \$0.35y. Add the two to find the total cost of both calls.

Structured Guided Practice

Directions: Choose the correct expression. Explain your thinking.

1.	A family went on vacation. They started with \$1,000. If they spent \$80 each day, which expression represents how much they have after <i>x</i> days?	2.	A boy wants to give a package of 50 candies to his friends equally. If <i>f</i> represents the number of friends, which expression represents how many candies each friend got?
	A. 1000 - 80 <i>x</i>		A. 50 <i>f</i>
	B. 1000 + 80 <i>x</i>		B. $\frac{50}{f}$
	Answer:		Answer:
	Explanation:		Explanation:





Student Practice

Directions: Choose the correct expression. Explain your thinking.

1. Jody had \$2.25 in her piggy bank. Each day she will earn \$1.25 for doing her chores. Which expression shows how much money she will have after <i>d</i> days?	2. A dad has 750 baseball cards in his collection. He wants to equally share it with his sons. <i>S</i> represents the number of sons he has. Which expression shows how many baseball cards each son gets?
 A. \$2.25 + \$1.25<i>d</i> B. \$2.25<i>d</i> + \$1.25 	A. 750 <i>s</i> B. <u>750</u> S
Answer:	Answer:
Explanation:	Explanation:
3. The post office charges \$0.25 for stamps and \$1.50 for postcards. Which expression gives the total cost of <i>s</i> stamps and <i>p</i> postcards?	4. A store started with \$800 in profit. Each day they made \$50 in profit. Which expression shows how much money is made in <i>d</i> days?
A. \$0.25 <i>s</i> + \$1.50 <i>p</i>	A. \$800 + \$50 <i>d</i>
B. \$1.75 (<i>p</i> + <i>s</i>)	B. \$800 <i>d</i> +\$50
Answer: Explanation:	Answer: Explanation:



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Extra Practice	
nit 5 Lesson 3: Identify Multi-Step Expressions	
hat Represent Scenarios	

Date:

Directions: Choose the correct expression.

 The post office charges \$0.43 for		2. A palm tree grew to 48 inches. The		
stamps for 1-ounce letters and		next 5 years it grew the same		
\$0.29 for postcards. Which		number of inches each year.		
expression gives the total cost of		Choose the expression that shows		
stamps in dollars for r letters		the height of the palm tree after 5		
and p postcards?		years.		
А.	0.43 <i>r</i> - 0.29 <i>p</i>	A.	48 + 5	
В.	0.43 <i>r</i> + 0.29 <i>p</i>	B.	5 + 48 <i>i</i>	
С.	0.72(<i>r</i> + <i>p</i>)	C.	5 <i>i</i> - 48	
D.	0.72 <i>rp</i>	D.	48 + 5 <i>i</i>	
3. Joe found \$5.30 in his pocket. He		4. In the	first week, a beanstalk grew	
found <i>q</i> quarters on his walk to		9 inches	es. It continued to grow 2	
school. Which expression shows		inches	every week. Which	
how much money he had		expres	sion shows the height of the	
altogether?		beanst	calk in <i>w</i> weeks?	
A.	\$5.30 - \$0.25q	A.	9 + 2 <i>w</i>	
B.	\$0.25 + \$5.30q	B.	2 <i>w</i> - 9	
C.	\$5.30 + \$0.25q	C.	2 + 9w	
D.	$\$5.30 - (\$0.25 \times q)$	D.	9 - 2 <i>w</i>	



Extra Practice Unit 5 Lesson 3: Identify Multi-Step Expressions that Represent Scenarios



Directions: Choose the correct expression.

5. Joyce bought 4 yards of fabric for 6. A car rental company charges \$2.50 a yard, including tax. Which \$10.99 per day and \$0.55 per mile to expression represents the change rent a car. Choose the expression Joyce received if she gave the that gives the total cost in dollars cashier \$20? to rent a car for *d* days and *m* miles. $\$2.50 \times 4 - \20 (\$10.99d) × (0.55*m*) Α. Α. B. \$20 - \$2.50 - 4B. (\$10.99d) + (0.55m)C. (\$2.50 + 4) - \$20 С. (0.55m) + 10.99D. \$20 - (\$2.50 × 4) (10.99 + m) + 0.55D. 7. Lisa wants to share her package of 8. Shellie had \$5.00 in her piggy bank. 30 fruit bars equally with her She added \$0.50 more each day. family. If *f* represents the number Choose the expression that shows of people in her family including how much money she had after *m* Lisa, choose the expression that days. represents the number of fruit bars each family member will receive Α. \$5.00 + m\$5.00 - \$0.50*m* **B**. **30f** Α. С. \$5.00m + \$0.50**B**. 30 + f\$0.50*m* + \$5.00 D. 30 – *f* C. 30 *f* D.



Re-Engage Unit 5 Lesson 5: Generate Equations from Word Problems



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Date:

Model

Steps:

- 1. Read and understand the problem.
- 2. Identify the variable.
- 3. Look for key words.
- 4. Construct the equation.





Structured Guided Practice

Directions: Write an equation for each situation.

- 1. Phil mows lawns for \$10 per hour, and receives a 15 dollar tip after he finishes his work. He was paid \$55 dollars for completing one yard. Write an equation to represent how much he earned.
- 2. Reese has four more than three times as many marbles as Ben. He has 31 marbles. Write an equation to represent how many marbles Reese has.

variable:	 variable:
key words:	key words:
equation:	 equation:



Re-Engage Unit 5 Lesson 5: Generate Equations from Word Problems



Student Practice

Directions: Write an expression for each situation.

- A county fair charges \$15 for admission and \$0.25 per ticket for each ride.
 William spent \$30 in total at the fair.
 Write an equation to represent the amount of money William spent.
- Christian made \$35 from raking leaves in his neighborhood for one week. He made some more money the next week. He made \$60 in total. Write an equation to represent how much money Christian made.

variable:		variable:	_
key words:		key words:	
equation:		equation:	-
0 4	has 0 many than firm times as	A Carley has three more than Atimese as	

- Andy has 2 more than five times as many pencils as Jeff. He has 22 pencils. Write an equation to represent how many pencils Andy has.
- 4. Carley has three more than 4 times as many bracelets as Christina. She has 31 bracelets. Write an equation to represent how many bracelets Carley has.

variable:	variable:				
key words:	key words:				
equation:	 equation:				



Extra Practice Unit 5 Lesson 5: Generate Equations from Word Problems

Name:

Date: __

Directions: Write an equation or a problem situation and explain what the variable represents.

 The carnival charges \$12 to enter and \$0.25 per raffle ticket. Matt paid \$18 in all. Write an equation to represent the number of raffle tickets he bought. 	2. Describe a problem situation that can be solved using the equation 4 + 3b = 19 (where b represents the number of books and 19 represents a dollar amount).
3. Describe a problem situation that can be solved using the equation 10 + 2p = 20 (where p represents the number of pens and 20 represents a dollar amount).	4. Ivy earned \$20 washing windows on Thursday. She earned some more money washing windows on Friday. She earned a total of \$50 washing windows Thursday and Friday. Write an equation to represent the amount of money she earned on Friday.



Extra Practice Unit 5 Lesson 5: Generate Equations from Word Problems



Directions: Write an equation or a problem situation and explain what the variable represents.

5. Laura has four more than twice as	6. Describe a problem situation that
many bracelets as Susan. Laura	can be solved using the equation
has 12 bracelets altogether. Write	8 + 5s = 28 (where s represents the
an equation to represent the	number of stamps and 28
number of bracelets Susan has.	represents a dollar amount).
7. Describe a situation that can be solved using the equation 2 <i>c</i> + 5 = 11 (where <i>c</i> represents the number of items and 11 represents a dollar amount).	8. Kirk is a plumber. He is paid \$45 per hour and a \$50 bonus for finishing the job. He was paid \$275 for his last job. Write an equation to represent the amount of hours Kirk worked.



Name:

Homework Unit 5 Lesson 6: Solve Expressions and Equations

Directions: Read and solve each problem.



Date: ___

1. Fill in the correct numbers to 2. Fill in the correct numbers to make the expression true. make the equation true. Mark has five more than twice Natalie earns \$10 an hour at a bakery. as many pancakes as Max. On Monday, she received \$20 in tips from customers and earned a total of \$80 for her work. p + **b+**∣ = 3. Is this expression correct? 4. Do the word problem and the equation match? If not, write a Explain why or why not. new word problem. Michelle made \$50 grading papers on Monday and made some more money 2q + 4 = 20grading papers on Tuesday. How much did she earn? Wendy had four more than twice the number of grapes Sarah had. \$50 + *p* They have 20 grapes altogether.



Re-Engage Unit 5 Lessons 7-9b: Generate and Solve Addition and Subtraction Equations - Inverse Operation

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- 0	2.1	+7	= 5
	4	S	J
4	1	tt	
			M
		E	
		1	

NT	n	3	n	m		2	
1.1	a	u	u	u	U		

Date: _

Model

<u>Ster</u> 1.	os: Read and understand the problem.	Kevin had 8 pennies. His mom gave him some more pennies and now he has 12 pennies. How many pennies did his mom give him?				
2.	Identify the unknown value and key words.	unknown:	<i>p</i> = number of pennies Mom gave Kevin	8 + <i>p</i> = 12		
3.	Write the equation.			n = 12 - 8		
4.	Use the inverse operation	equation:	8 + <i>p</i> = 12	<i>p</i> - 12 - 8		
	to solve.	solution:	<i>p</i> = 4	<i>p</i> = 4		
Kevin's mom gave him <u>4</u> more pennies.						

Structured Guided Practice

Directions: Use the inverse operation to solve.

1. Orlando had 15 gumdrops. He gave some to his sister and now he has 6 gumdrops. How many did he give to his sister?	2. Rico had 8 ice cubes in a cup. His brother gave him some more ice cubes and now he has 12 ice cubes. How many ice cubes did his brother give him?
unknown:	unknown:
equation:	equation:
solution:	solution:
Orlando gave his sister gumdrops.	Rico's brother gave himice cubes.





Student Practice

Directions: Use the inverse operation to solve.

 Cam had 26 playing cards in his hand. He played some of them. Now he has 19 cards left in his hand. How many cards did he play? 	2. Nicole had 17 coloring books. She bought some more at a garage sale. Now she has 30 coloring books. How many coloring books did she buy at the garage sale?
unknown:	unknown:
equation:	equation:
solution:	solution:
Cam playedcards.	Nicole bought coloring books.
 Jeremy has 19 action figures. He got some more action figures for his birthday. Now he has 31 action figures. How many did he get for his birthday? 	4. Aubree had 34 stickers. She gave some to her sister. Now she has 15 stickers. How many stickers did she give to her sister?
3. Jeremy has 19 action figures. He got some more action figures for his birthday. Now he has 31 action figures. How many did he get for his birthday? unknown:	4. Aubree had 34 stickers. She gave some to her sister. Now she has 15 stickers. How many stickers did she give to her sister? unknown:
3. Jeremy has 19 action figures. He got some more action figures for his birthday. Now he has 31 action figures. How many did he get for his birthday? unknown:	 Aubree had 34 stickers. She gave some to her sister. Now she has 15 stickers. How many stickers did she give to her sister? unknown: equation:
3. Jeremy has 19 action figures. He got some more action figures for his birthday. Now he has 31 action figures. How many did he get for his birthday?	 4. Aubree had 34 stickers. She gave some to her sister. Now she has 15 stickers. How many stickers did she give to her sister? unknown: equation: solution:
3. Jeremy has 19 action figures. He got some more action figures for his birthday. Now he has 31 action figures. How many did he get for his birthday? unknown: equation: solution:	4. Aubree had 34 stickers. She gave some to her sister. Now she has 15 stickers. How many stickers did she give to her sister?



Re-Engage Unit 5 Lessons 7-9c: Generate and Solve Addition and Subtraction Equations - Tape Diagram

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Date: _

Model

<u>Ster</u> 1.	os: Read and understand the problem.	gave him son nies. How ma	ne more any pennies		
2.	Identify the unknown value and key words.	unknown:	<i>p</i> = number of pennies Mom gave Kevin		
3.	Write the equation.			1	2
4.	Use the tape diagram to solve.	equation:	8 + <i>p</i> = 12	8	P
		solution:	<i>p</i> = 4		
			Kevin's mom gave him _	4more pe	nnies.

Structured Guided Practice

Directions: Use the tape diagram to solve.

 Orlando had 40 peanuts. He gave some to his sister and now he has 14 peanuts. How many did he give to his sister? 	2. Rico had 23 chips in a bag. His brother gave him some more chips and now he has 29 chips. How many chips did his brother give him?					
unknown:	unknown:					
equation:	equation:					
solution:	solution:					
Orlando gave his sisterpeanuts.	Rico's brother gave himchips.					





Student Practice

Directions: Use the tape diagram to solve.

 Cam had 17 playing cards in a pile. He turned over some of them. Now he has 6 cards left in the pile. How many cards did he turn over? 	2. Nicole had 8 vinyl records. She bought some more at a garage sale. Now she has 15 vinyl records. How many vinyl records did she buy at the garage sale?					
unknown:	unknown:					
equation:	equation:					
solution:	solution:					
Cam turned overcards.	Nicole boughtvinyl records.					
3. Jeremy has 21 pet rocks. He got some more pet rocks for his birthday. Now he has 48 pet rocks. How many did he get for his birthday?	4. Aubree had 36 markers. She gave some to her sister. Now she has 20. How many markers did she give to her sister?					
unknown:	unknown:					
equation:	equation:					
solution:	solution:					



Extra Practice Unit 5 Lesson 7-8: Solve Equations with Strategies



Name: _____

Date:

Directions: Use any strategy to solve the equation.

1. 3 <i>n</i> = 24	2. 4 <i>p</i> −5=31
3. 5 <i>k</i> + (3 + 7) = 55	4. <i>f</i> + 4 = 21



Extra Practice Unit 5 Lesson 7-8: Solve Equations with Strategies



Directions: Solve each problem using a different strategy.

5. 2 <i>p</i> - (7 + 1) = 18	6. (2 + 8) ÷ <i>b</i> = 5
7. $8w - 4 = 60$	8. 7 <i>y</i> = 63



Nam	NameDate							Division A Dividends within 100 (70 items)		
6)36	9)54	8)72	5)35	7)35	7)7	2)10	9)81	5)25	6)36	
4)20	2)6	$4\overline{)8}$	$2\overline{)2}$	5)45	6)42	7)28	9)63	6)48	6)12	
5)10	9)18	2)8	8)64	2)12	3)12	6)54	9)72	2)16	7)49	
8)8	7)21	3)27	6)18	1)8	2)6	4)24	5)15	2)14	9)9	
3)24	4)32	$6\overline{ig)6}$	9)45	6)30	8)32	7)14	4)36	7)63	4)12	
5)20	8)24	4)16	3)18	5)40	2)18	8)16	7)42	3)12	8)48	
6)42	5)45	2)2	$4\overline{)8}$	$2\overline{)6}$	4)20	6)12	6)48	9)63	7)28	

Nam	eDate							Division B Dividends within 100 (70 items)		
3)24	4)32	6)6	9)45	6)30	8)32	7)14	4)36	7)63	4)12	
8)8	7)21	3)27	6)18	1)8	$2\overline{)6}$	4)24	5)15	2)14	9)9	
5)20	8)24	4)16	3)18	5)40	2)18	8)16	7)42	3)12	8)48	
6)42	5)45	$2\overline{)2}$	$4\overline{)8}$	$2\overline{)6}$	4)20	6)12	6)48	9)63	7)28	
6)36	9)54	8)72	5)35	7)35	7)7	2)10	9)81	5)25	6)36	
4)20	2)6	$4\overline{)8}$	2)2	5)45	6)42	7)28	9)63	6)48	6)12	
5)10	9)18	$2\overline{)8}$	8)64	2)12	3)12	6)54	9)72	2)16	7)49	

Multiplication & Division Fluency Check (9s and below)

Directions: Solve. Find products and quotients from memory or apply strategies.

5 × 5 =	45 ÷ 9 =	9 × 1 =
36 ÷ 4 =	3 × 9 =	5 ÷ 1 =
4 × 3 =	8 × 2 =	72 ÷ 9 =
8 ÷ 4 =	48 ÷ 8 =	9 × 3 =
36 ÷ 9 =	6 × 5 =	6 × 2 =
3 × 3 =	42 ÷ 7 =	72 ÷ 8 =
2 × 7 =	5 × 4 =	9 ÷ 9 =
45 ÷ 5 =	3 × 7 =	54 ÷ 6 =
56 ÷ 7 =	9 × 2 =	7 × 8 =
8 × 8 =	49 ÷ 7 =	18 ÷ 9 =
36 ÷ 6 =	7 × 9 =	20 ÷ 5 =
6 ÷ 3 =	9 × 9 =	4 ÷ 4 =
9 × 7 =	24 ÷ 3 =	2 × 5 =
54 ÷ 9 =		

Nam	1e				Divisio Dividends w (70 iter	n A ithin 100 ms)			
6)36	9)54	8)72	5)35	7)35	7)7	2)10	9)81	5)25	6)36
4)20	$2\overline{ brace66}6$	$4\overline{)8}$	$2\overline{)2}$	5)45	6)42	7)28	9)63	6)48	6)12
5)10	9)18	2)8	8)64	2)12	3)12	6)54	9)72	2)16	7)49
8)8	7)21	3)27	6)18	1)8	$2\overline{)6}$	4)24	5)15	2)14	9)9
3)24	4)32	6)6	9)45	6)30	8)32	7)14	4)36	7)63	4)12
5)20	8)24	4)16	3)18	5)40	2)18	8)16	7)42	3)12	8)48
6)42	5)45	2)2	$4\overline{)8}$	$2\overline{)6}$	4)20	6)12	6)48	9)63	7)28

Nam	eDate							Division B Dividends within 100 (70 items)		
3)24	4)32	6)6	9)45	6)30	8)32	7)14	4)36	7)63	4)12	
8)8	7)21	3)27	6)18	1)8	$2\overline{)6}$	4)24	5)15	2)14	9)9	
5)20	8)24	4)16	3)18	5)40	2)18	8)16	7)42	3)12	8)48	
6)42	5)45	$2\overline{)2}$	$4\overline{)8}$	$2\overline{)6}$	4)20	6)12	6)48	9)63	7)28	
6)36	9)54	8)72	5)35	7)35	7)7	2)10	9)81	5)25	6)36	
4)20	$2\overline{)6}$	$4\overline{)8}$	2)2	5)45	6)42	7)28	9)63	6)48	6)12	
5)10	9)18	$2\overline{)8}$	8)64	2)12	3)12	6)54	9)72	2)16	7)49	