Name		Date	Class		
Practice C	tions				
Evaluate each expression.					
1. 42 - 3 • 10 + 2	2. 1 + 4 ³ - 16	:	3. (15 − 6) • 2 + 20		
4. $(5^2 + 3^2 + 2) \div 6$	5. 61 − 5 • 2 ³ + 5	; ;	6. $7 \cdot 8 + (2 \cdot 4) \div 2^2$		
Insert parentheses so that	each equation is co	orrect.			
7. $12 - 3 \cdot 2 + 4^2 = 34$	8. $72 \div 2 \bullet 4 \div 3 = 3$				
9. $13 + 7 - 6 + 4 \cdot 2 = 0$	10. 2	28 ÷ 7 + 3 ³	$-3^2 - 1 = 21$		
Use each of the numbers 2 equation correct.	, 3, 4, and 6 once to	make each	1		
11. () +	• = 11 12.	•	(÷) = 6		
13 + (•) •	= 30 14.	÷	+• = 20		
15. Use an exponent to write value of 0.	an expression with	five 3s that I	nas a		
16. Mrs. Thompson is putting tile measures 2 inches or 3 feet long and 2 feet wice	n each side. The bath	nroom floor i	S		

3 feet long and 2 feet wide. How many tiles will she use to cover the entire floor?

LESSON Practice B			Itesson Practice C 1-4 Order of Operations			
Evaluate each expression			Evaluate each expression.			
1 . 10 + 6 • 2	2. (15 + 39) ÷ 6	3. (20 - 15) • 2 + 1	1. 42 - 3 • 10 + 2	2. 1 + 4 ³ - 16	3. (15 - 6) • 2 + 20	
22	9	11	14	49	38	
4. $(4^2 + 6) \div 11$	5. 9 + (7 −1) • 2	6. (2 • 4) + 8 - (5 • 3)	4. $(5^2 + 3^2 + 2) \div 6$	5. $61 - 5 \cdot 2^3 + 5$	6. $7 \cdot 8 + (2 \cdot 4) \div 2^2$	
2	21	1	6	26	58	
7. 5 + 18 ÷ 3 ² – 1	8. 8 + 5 • 10 - 12	9. 14 + (50 - 7 ²) • 3	Insert parentheses so that e	each equation is correct.		
6	46	17	7. $12 - 3 \cdot 2 + 4^2 = 34$	8. 72 ÷ 2	$2 \cdot 4 \div 3 = 3$	
	at each equation is correct.		(12 - 3)		(2 • 4)	
10. $7 + 9 \cdot 3 - 1 = 25$	•	12. 5 + 6 • 9 ÷ 3 = 23	9. $13 + 7 - 6 + 4 \cdot 2 = 0$	10. 28 ÷ 7	$7 + 3^3 - 3^2 - 1 = 21$	
(3 – 1)	$(2^3 - 7)$	(9 ÷ 3)	(6 + 4)	()	3 ³ - 3 ²)	
	14. $8 + 3 \cdot 6 - 4 - 1 = 13$		Use each of the numbers 2,			
(3 • 2)	(6 - 4)	(3 ² + 1)	equation correct. Possible	answers are given.		
16. $9 \cdot 0 + 5 - 3 = 42$			11. () +•			
					2 • 4 - (6 ÷ 3)	
(0 + 5)		(2 + 5)	13 + (•) • .	= 30 14	÷ + • = 20	
Then he walked 3 mile	day for the first week of his ex s a day for the next 9 days. He		$6 + (2 \cdot 3) \cdot 4 \qquad 4 \div 2 + 6 \cdot 3$			
miles did Tyler walk in all?			15. Use an exponent to write an expression with five 3s that has a			
	pizzas and 12 bottles of juice		value of 0.	• 3 – 3 ³		
20. Paulo's father bought 8 pizzas and 12 bottles of juice for the class party. Each pizza cost \$9 and each bottle of juice cost \$2. Paulo's father paid with a \$100-bill. How much change did he			16. Mrs. Thompson is putting			
get back?	ra \$100-bill. How much chang		tile measures 2 inches on each side. The bathroom floor is 3 feet long and 2 feet wide. How many tiles will she use to			
<u>\$4</u>			cover the entire floor?	· · · , · · · ·		
			216 tiles			
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A mathematical phrase that includes only numbers and operations is called a numerical expression.			Each of these symbols stands	s for a different operation s	symbol:	
9 + 8 • 3 ÷ 6 is a numeri	cal expression.			•	ele	
To evaluate a numerical e	expression, you find its value.		Each of these animals stands	for a different whole num	ber 1-4:	
You can use the order of operations to evaluate a numerical				20		
expression.				8.Q		
Order of Operations 1. Do all operations within parentheses.			235 93.0	15-B	5 3	
 Find the values of the numbers with exponents. Multiply and divide in order from left to right. 			Use the equations below to represents in the expression		and animal	
4. Add or subtract in orde	er from left to right.		represents in the expression		- • • • • • • • • • • • • • • • • • • •	
Evaluate the expression. $60 \div (7 + 3) + 7$ Do all operations within parentheses.			0; ▼ #% =		z. ▲ 🧱 = 🖓 🗶	
60 ÷ 10 + 7Multiply and divide in order from left to right.6 + 7Add and subtract in order from left to right.			<i>m</i> ♦ <i>m</i> =		` ♦ <i>Q</i> \$ = <i>Q</i> \$	
13		-				
Evaluate each expression	n.		😳 🌴 🔬 =	NI A	- A A = 🗱	
1. 7 • (12 + 8) – 6	2. 10 • (12 + 34) + 3	3. 10 + (6 • 5) - 7				
7•6	10 • + 3	10 + 7	OPERATIONS		NUMBERS	
6	+ 3	7	1. ♥ =+	5. 💱	e <u> </u>	
				- B	3	
134	463	33	2. • =	6. ×1	=2	
4. $2^3 + (10 - 4)$	5. 7 + 3 • (8 + 5)	6. 36 ÷ 4 + 11 • 8	3. ♦ =	7. 🖏	· = <u> </u>	
14	46	97		 ~~~	5	
7. $5^2 - (2 \cdot 8) + 9$	8. $3 \cdot (12 \div 4) - 2^2$	9. (3 ³ + 10) – 2	4. 🕶 = 🕂	8. ¹	· = <u> </u>	
18	5. 5 (.= ,	35				
10		0				
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