

LESSON
1-2

Review for Mastery

Writing Algebraic Expressions

What words tell you to add, subtract, multiply, or divide?

Add $n + 6$	Subtract $n - 6$	Multiply $6n$	Divide $n \div 6$
n plus 6	n minus 6	n times 6	n divided by 6
the sum of n and 6	the difference between n and 6	the product of n and 6	the quotient of n and 6
6 added to n	6 subtracted from n	6 multiplied by n	6 equal shares of n
n increased by 6	6 less than n		
	n decreased by 6		

Write the algebraic expression that represents the word expression.

1. the quotient of n and 3

2. 3 more than n

3. the product of 3 and n

4. n decreased by 3

5. 3 less than n

6. the product of n and 3

7. n increased by 3

8. one-third times n

Write a word phrase for each algebraic expression.

9. $4n$

10. $2 + n$

11. $n - 5$

12. $n \div 3$

13. $n + 9$

14. $\frac{n}{2}$

14. Check students' problems. 305 miles

Review for Mastery

- | | |
|---------------|---------------------------------|
| 1. $n \div 3$ | 2. $n + 3$ |
| 3. $3n$ | 4. $n - 3$ |
| 5. $n - 3$ | 6. $3n$ |
| 7. $n + 3$ | 8. $\frac{1}{3}n$ or $n \div 3$ |

9–14. Possible answers given.

9. the product of 4 and n
10. 2 increased by n
11. 5 less than n
12. n divided by 3
13. 9 more than n
14. the quotient of n and 2

Challenge

$3x = 6;$	$2x - 1 = 3;$	$x + 6 = 8;$	$x + 3 = 5;$	$\frac{2x}{2} = 2$
$x + 1 = 3;$	$3x = 6;$	$x - 1 = 1;$	$\frac{x}{2} = 1;$	$2x + 3 = 7$
$3x - 1 = 5;$	$3 - x = 1;$	$2 - x = 0;$	$4x = 8;$	$6 + 2x = 10$
$2x = 4;$	$x - 1 = 1;$	$x + 5 = 7;$	$\frac{x}{2} + 1 = 2;$	$4(3x) = 24$
$x + 2 = 4;$	$\frac{x}{2} = 1;$	$7 + x = 9;$	$\frac{6}{x} = 3;$	$\frac{5x}{2} = 5$

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Problem Solving

1. $15 + b$; 35 books
2. $5m$; 225 minutes
3. $3s$; \$66
4. $\frac{b}{5}$; 3 bracelets
5. C
6. G
7. B
8. F

Reading Strategies

1. seven times a number
2. 12 less than a number
3. a number divided by 6
4. 3 times the sum of a number and 8
5. $z - 4$
6. $4(n + 9)$
7. $r \div 7$
8. $n + 32$

Puzzles, Twisters & Teasers

- | | |
|------|-------|
| 1. P | 2. K |
| 3. E | 4. C |
| 5. I | 6. L |
| 7. N | 8. R |
| 9. A | 10. W |

WE ARE IN A PICKLE

LESSON 1-3

Practice A

1. Associative Property
2. Commutative Property
3. Distributive Property
4. Commutative Property
5. not equivalent
6. equivalent
7. not equivalent
8. equivalent
9. A rectangle with a length of 2 m and a width of 4 m.
10. $18 - 4 \neq 4 - 18$
11. $5 + 7 = 12$
12. $38/2 = 19$; $38/10 = 3.8$
13. 154
14. \$580
15. $P = 2w + 2l$

Practice B

- | | |
|-----------------------------------|-------------------|
| 1. equivalent | 2. not equivalent |
| 3. not equivalent | 4. equivalent |
| 5. $11/2$ | 6. $5 + 7 = 12$ |
| 7. $ 0 = 0$ | 8. $4 - 9 = -5$ |
| 9. a. 35; b. 280 | |
| 10. 24 apples and 6 cups of flour | |