

Use the distributive property to simplify the expressions below.

6. $2(x + 6)$ Expanded Form: _____ Simplest Form: _____	7. $7(5 + p)$ Expanded Form: _____ Simplest Form: _____
8. $8(7 - g)$ Expanded Form: _____ Simplest Form: _____	9. $12(r - q)$ Expanded Form: _____ Simplest Form: _____

Distribute the coefficient in each expression below.

10. $5(3x + 10)$	11. $3(x + 4)$	12. $12(6 - 2x)$
13. $6(2x + 5)$	14. $4(x - y)$	15. $9(3 + 4y)$
16. $5(2x - y)$	17. $7(2x + 3y)$	18. $3(7 + y)$

Summarize today's lesson:

Wednesday Homework

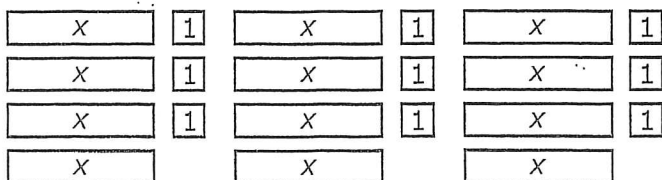


Unit 24 Guided Practice

Name _____

Standards 6.7(B) – Supporting, 6.7(C) – Supporting

- 1 Mrs. Jacobson asks each group of students to write an expression equivalent to the model below.



The table shows the groups' expressions.

Group	Expression
1	$3(4x) + 3(3)$
2	$4x(3 + 3 + 3)$
3	$3(4x + 3)$
4	$4x + 3 + 4x + 3 + 4x + 3$

Which group wrote an incorrect expression?

- (A) Group 1 (C) Group 3
 (B) Group 2 (D) Group 4
- 2 Which of the following is true for $2g + 6$?
- I. Representative of an equation
 II. Multiple possible values for g
 III. Representative of an expression
 IV. Only one possible value for g
- (F) I only (H) II and III only
 (G) III and IV only (J) I, II, and III only
- 3 Nia plans to give one necklace and one sparkle pen to each girl who attends her birthday party. Necklaces cost \$4 each and sparkle pens cost \$2 each. She uses the expression $4g + 2g$ to calculate the cost, in dollars, of the gifts for the girls attending the party. Which of the following is equivalent to Nia's expression?
- (A) $6(g + g)$ (C) $6g^2$
 (B) $6g$ (D) $8g$

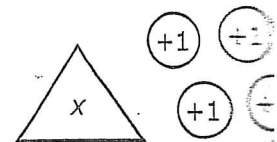
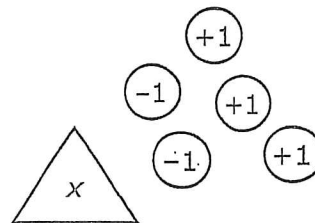
- 4 Meghan tries to convince her classmate Fiona that $2x + 3 = 10$ represents an expression. Fiona disagrees and thinks that it represents an equation. Who is correct?

- (F) Meghan is correct because expressions contain variables.
 (G) Fiona is correct because equations always contain an equal sign.
 (H) Both girls are correct because expressions and equations are the same thing.
 (J) Neither girl is correct.

- 5 Kareem and Natalie each created an expression using the models shown below.

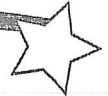
Kareem's Expression

Natalie's Expression



What would Natalie need to add to her model for it to be equivalent to Kareem's model?

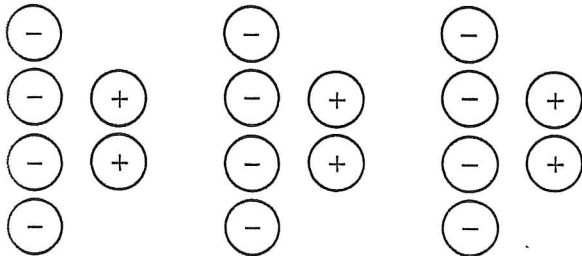
- (A) $+1$
 (B) -1 -1
 (C) -1 -1 -1
 (D) $+1$ $+1$ $+1$
- 6 Which of the following does NOT represent an equation?
- (F) Twice a number is six.
 (G) $x + 6 = 10$
 (H) 6 years older than Mike
 (J) $-9 + 2 = -7$



1 Which of the following is NOT true about equations?

- Ⓐ Must include an equal sign
- Ⓑ A phrase that contains a single term
- Ⓒ Show two equivalent expressions
- Ⓓ May contain numbers and variables

2 Which of the following could NOT be used to represent an expression equivalent to the model shown below?

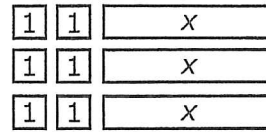


- Ⓐ $3(-4) + 3(2)$
- Ⓑ $-12 + 6$
- Ⓒ $-4(3 + 2)$
- Ⓓ $3(-2)$

3 Which of the following represents an expression?

- I. Four years less than Tiffany's age
 - II. The sum of a number and six
 - III. Tim saves \$30 more than Jeremy
 - IV. The difference of seven and three
- Ⓐ II only
 - Ⓑ I and II only
 - Ⓒ III only
 - Ⓓ I, II, and IV only

4 Look at the model below.



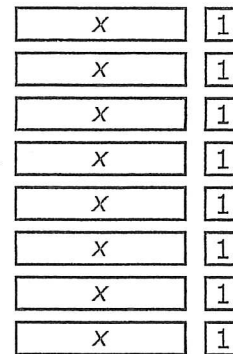
Which of the following statements of equality are true?

- Ⓐ $3(x + 2) = 3x + 5$
- Ⓑ $3x + 26 = 2(3 + 2x)$
- Ⓒ $3(2 + x) = 6 + 3x$
- Ⓓ $6(2 + 2x) = 12 + 2x$

5 Which of the following best represents an expression?

- Ⓐ $-2x + 20$
- Ⓑ $13 + 12 = 25$
- Ⓒ $-3y = 27$
- Ⓓ $\frac{f}{5} = 30$

6 Kelvin modeled an expression using the Algebra Tiles™ shown.



Which of the following could NOT be the expression Kelvin modeled?

- Ⓐ $2(4x + 4)$
- Ⓑ $6 + 4x + 2x + 2 + x + x$
- Ⓒ $4(2x) + 4(2)$
- Ⓓ $3x + 2 + 3x + 2 + 3x + 4$