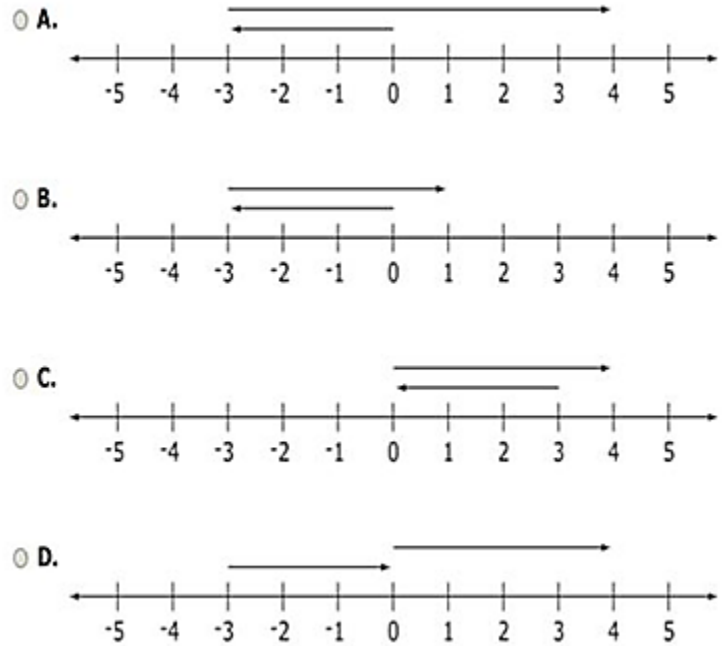


5. Which shows a model of: $-3 + 4$



6. Which describes $|k|$ on a number line?

- A. The opposite of k
- B. The same value as k
- C. A value between k and $-k$
- D. A distance k units from 0

7. What is the value of the expression? $|-16| - |8|$

- A. -24
- B. -8
- C. 8
- D. 24

8. The table below shows the one-day changes in the prices of four different companies stores on Tuesday. Which company's stock price changed the most on Tuesday?

- A. Company A
- B. Company B
- C. Company C
- D. Company D

Stock Price Changes

Company	Amount of Price Change
A	-1.32
B	+0.76
C	-0.83
D	+1.25

9. Solve the following equation. $\frac{x}{4} = -8$

10. Match the equation with the property demonstrated.

$$8 \times 5 \times 6 = 5 \times 6 \times 8$$

associative property

$$(1 + 2) + 3 = 1 + (2 + 3)$$

distributive property

$$3(x + 5) = 3x + 15$$

commutative property

11. Simplify the following expression: $3x - 7x + 1$

12. Simplify the following expression: $2(x + 7) - 8$

13. Evaluate the expression for the given values of the variables: $-3x + 2y$

When: $x = -3$ and $y = 3$

When: $x = 4$ and $y = -\frac{1}{2}$

14. What is the value of $4t^2 + 6r - tr$ when $t = -3$ and $r = 5$?

15. Two friends hammered a line of nails into two different boards. Bill hammered more nails in his than Greg did in his. Bill's board was shorter than Greg's. On which board are the nails hammered closer together?
- A. Bill's board
 - B. Greg's Board
 - C. their nails are spaced the same
 - D. not enough information to tell


16. Solve the following equation. $x + 9 = -15$

17. Match each algebraic expression with the correct phrase underneath them.

- | | |
|---------------------|--|
| 1. _____ $2x + 5$ | A. twice the sum of x and 5 |
| 2. _____ $2(x + 5)$ | B. five less than the product of 2 and x |
| 3. _____ $2x - 5$ | C. five more than the product of 2 and x |
| 4. _____ $2(x - 5)$ | D. two times the difference of x and 5 |

18. Which of the following inequalities shows that x is at least -3 and less than 5?

- A. $-3 < x < 5$
- B. $-3 \leq x \leq 5$
- C. $-3 \leq x < 5$
- D. $-3 < x \leq 5$

19. The scale shown below is balanced. Which of the following will balance one  ?



- A. \ominus
- B. $\ominus \ominus$
- C. $\ominus \ominus \ominus \ominus$
- D. $\ominus \ominus \ominus \ominus \ominus \ominus$