



Name: _____

Date: _____

1. Evaluate $4x + 4$ when $x = 8$.

36

34

39

38

2. Simplify: $6x + 5x$

30x

11x

 $11x^2$

11

3. Which expression means "4 more than a number x "?

 $x + 4$ $x \div 4$ $x - 4$ $4x$

4. Evaluate $3x + y$ when $x = 8$ and $y = 1$.

28

23

29

25

5. Use the distributive property: $4(x + 5)$

9x

 $4x + 9$ $4x + 5$ $4x + 20$



6. Simplify: $5x - 4x$

$20x$

$1x$

$9x$

1

7. Which expression means "the product of a number x and 7"?

$\frac{x}{7}$

$7x$

$x + 7$

$x - 7$

8. Which expression means "a number x divided by 7"?

$\frac{x}{7}$

$x + 7$

$x - 7$

$7x$

9. Evaluate $4x + 9$ when $x = 6$.

10. Evaluate $4x + 5$ when $x = 1$.

11. Simplify: $4x + 4x$

$16x$

8

$8x$

$8x^2$



12. Which expression means "10 more than a number x "?

$x - 10$

$10x$

$x \div 10$

$x + 10$

13. Evaluate $2x + y$ when $x = 2$ and $y = 6$.

8

11

10

12

14. Use the distributive property: $2(x + 4)$

$2x + 8$

$6x$

$2x + 4$

$2x + 6$

15. Simplify: $7x - 6x$

$1x$

1

$13x$

$42x$

16. Which expression means "the product of a number x and 6"?

$x + 6$

$x - 6$

$6x$

$\frac{x}{6}$



17. Which expression means "a number x divided by 5"?

$x + 5$

$5x$

$\frac{x}{5}$

$x - 5$

18. Evaluate $6x + 4$ when $x = 4$.



Answer Key

1. **36** $4 \times 8 + 4 = 36$.
2. $11x$ Combine like terms: $6x + 5x = 11x$.
3. $x + 4$ "4 more than x " is $x + 4$.
4. **25** $3 \times 8 + 1 = 24 + 1 = 25$.
5. $4x + 20$ $4(x + 5) = 4x + 4 \times 5 = 4x + 20$.
6. $1x$ $5x - 4x = 1x$.
7. $7x$ "the product of a number x and 7" is $7x$.
8. $\frac{x}{7}$ "a number x divided by 7" is $x/7$.
9. **33** $= 33$.
10. **9** $4 \times 1 + 5 = 9$.
11. $8x$ Combine like terms: $4x + 4x = 8x$.
12. $x + 10$ "10 more than x " is $x + 10$.
13. **10** $2 \times 2 + 6 = 4 + 6 = 10$.
14. $2x + 8$ $2(x + 4) = 2x + 2 \times 4 = 2x + 8$.
15. $1x$ $7x - 6x = 1x$.
16. $6x$ "the product of a number x and 6" is $6x$.
17. $\frac{x}{5}$ "a number x divided by 5" is $x/5$.
18. **28** $= 28$.