



Name: _____

Date: _____

1. Evaluate $6x + 8$ when $x = 3$.

22

27

28

26

2. Simplify: $3x + 6x$

9

$18x$

$9x$

$9x^2$

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

$x - 4$

$4x$

$x + 4$

$x \div 4$

4. Evaluate $2x + y$ when $x = 8$ and $y = 7$.

23

19

20

22

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

$2x + 4$

$2x + 8$

$6x$

$2x + 6$



6. Simplify: $4x - 3x$

$1x$

$7x$

$12x$

1

7. Which expression means "the product of a number x and 5"?

$\frac{x}{5}$

$5x$

$x + 5$

$x - 5$

8. Which expression means "a number x divided by 9"?

$9x$

$\frac{x}{9}$

$x - 9$

$x + 9$

9. Evaluate $4x + 6$ when $x = 8$.

10. Evaluate $5x + 3$ when $x = 2$.

15

9

8

13



11. Simplify: $2x + 2x$

4

$4x$

$4x^2$

12. Which expression means "8 more than a number x "?

$x \div 8$

$x + 8$

$8x$

$x - 8$

13. Evaluate $2x + y$ when $x = 2$ and $y = 3$.

11

6

7

4

14. Use the distributive property: $3(x + 6)$

$9x$

$3x + 9$

$3x + 6$

$3x + 18$

15. Simplify: $5x - 1x$

4

$5x$

$4x$

$6x$



16. Which expression means "the product of a number x and 2"?

$2x$

$x - 2$

$\frac{x}{2}$

$x + 2$

17. Which expression means "a number x divided by 6"?

$6x$

$x + 6$

$x - 6$

$\frac{x}{6}$

18. Evaluate $6x + 4$ when $x = 7$.



Answer Key

1. **26** $6 \times 3 + 8 = 26$.

2. $9x$ Combine like terms: $3x + 6x = 9x$.

3. $x + 4$ "4 more than x " is $x + 4$.

4. **23** $2 \times 8 + 7 = 16 + 7 = 23$.

5. $2x + 8$ $2(x + 4) = 2x + 2 \times 4 = 2x + 8$.

6. $1x$ $4x - 3x = 1x$.

7. $5x$ "the product of a number x and 5" is $5x$.

8. $\frac{x}{9}$ "a number x divided by 9" is $x/9$.

9. **38** $= 38$.

10. **13** $5 \times 2 + 3 = 13$.

11. $4x$ Combine like terms: $2x + 2x = 4x$.

12. $x + 8$ "8 more than x " is $x + 8$.

13. **7** $2 \times 2 + 3 = 4 + 3 = 7$.

14. $3x + 18$ $3(x + 6) = 3x + 3 \times 6 = 3x + 18$.

15. $4x$ $5x - 1x = 4x$.

16. $2x$ "the product of a number x and 2" is $2x$.

17. $\frac{x}{6}$ "a number x divided by 6" is $x/6$.

18. **46** $= 46$.