



Name: _____

Date: _____

1. Evaluate $4x + 2$ when $x = 5$.

22

18

23

26

2. Simplify: $2x + 6x$

 $12x$ $8x^2$

8

 $8x$

3. Which expression means "5 more than a number x "?

 $x \div 5$ $x + 5$ $5x$ $x - 5$

4. Evaluate $3x + y$ when $x = 4$ and $y = 2$.

18

14

16

15

5. Use the distributive property: $3(x + 1)$

 $4x$ $3x + 4$ $3x + 3$ $3x + 1$



6. Simplify: $9x - 5x$

$45x$

$14x$

$4x$

4

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

$x - 7$

$\frac{x}{7}$

$7x$

$x + 7$

8. Which expression means "a number x divided by 2"?

$x + 2$

$x - 2$

$\frac{x}{2}$

$2x$

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

10. Evaluate $2x + 1$ when $x = 7$.

15

12

11

13



11. Simplify: $3x + 4x$

7

$7x^2$

$7x$

$12x$

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

$x \div 12$

$x - 12$

$x + 12$

$12x$

13. Evaluate $4x + y$ when $x = 6$ and $y = 7$.

32

31

27

29

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

$2x + 4$

$4x$

$2x + 2$

15. Simplify: $7x - 2x$

$5x$

$9x$

5

$14x$



16. Which expression means "the product of a number x and 4"?

$x + 4$

$\frac{x}{4}$

$4x$

$x - 4$

17. Which expression means "a number x divided by 4"?

$4x$

$\frac{x}{4}$

$x + 4$

$x - 4$

18. Evaluate $4x + 2$ when $x = 2$.



Answer Key

1. **22** $4 \times 5 + 2 = 22$.

2. $8x$ Combine like terms: $2x + 6x = 8x$.

3. $x + 5$ "5 more than x " is $x + 5$.

4. **14** $3 \times 4 + 2 = 12 + 2 = 14$.

5. $3x + 3$ $3(x + 1) = 3x + 3 \times 1 = 3x + 3$.

6. $4x$ $9x - 5x = 4x$.

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

8. $\frac{x}{2}$ "a number x divided by 2" is $x/2$.

9. **51** $= 51$.

10. **15** $2 \times 7 + 1 = 15$.

11. $7x$ Combine like terms: $3x + 4x = 7x$.

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

13. **31** $4 \times 6 + 7 = 24 + 7 = 31$.

14. $2x + 4$ $2(x + 2) = 2x + 2 \times 2 = 2x + 4$.

15. $5x$ $7x - 2x = 5x$.

16. $4x$ "the product of a number x and 4" is $4x$.

17. $\frac{x}{4}$ "a number x divided by 4" is $x/4$.

18. **10** $= 10$.