



Name: _____

Date: _____

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

39

35

40

42

2. Simplify: $4x + 2x$

 $6x^2$

6

 $6x$ $8x$

3. Which expression means "6 more than a number x "?

 $6x$ $x \div 6$ $x + 6$ $x - 6$

4. Evaluate $4x + y$ when $x = 3$ and $y = 6$.

21

19

20

18

5. Use the distributive property: $4(x + 3)$

 $4x + 7$ $7x$ $4x + 12$ $4x + 3$



6. Simplify: $8x - 1x$

7

$8x$

$9x$

$7x$

7. Which expression means "the product of a number x and 9"?

$9x$

$x + 9$

$\frac{x}{9}$

$x - 9$

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

$\frac{x}{4}$

$4x$

$x + 4$

$x - 4$

9. Evaluate $6x + 3$ when $x = 2$.

10. Evaluate $4x + 3$ when $x = 5$.

20

23

22

19



11. Simplify: $2x + 6x$

$8x$

$8x^2$

8

$12x$

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

$x - 8$

$x + 8$

$8x$

$x \div 8$

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

16

15

12

14

14. Use the distributive property: $4(x + 1)$

$4x + 1$

$5x$

$4x + 4$

$4x + 5$

15. Simplify: $9x - 7x$

2

$16x$

$63x$

$2x$



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

$\frac{x}{7}$

$x - 7$

$x + 7$

$7x$

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

$x + 9$

$9x$

$x - 9$

$\frac{x}{9}$

18. Evaluate $3x + 5$ when $x = 5$.



Answer Key

1. **39** $6 \times 6 + 3 = 39$.
2. $6x$ Combine like terms: $4x + 2x = 6x$.
3. $x + 6$ "6 more than x " is $x + 6$.
4. **18** $4 \times 3 + 6 = 12 + 6 = 18$.
5. $4x + 12$ $4(x + 3) = 4x + 4 \times 3 = 4x + 12$.
6. $7x$ $8x - 1x = 7x$.
7. $9x$ "the product of a number x and 9" is $9x$.
8. $\frac{x}{4}$ "a number x divided by 4" is $x/4$.
9. **15** $= 15$.
10. **23** $4 \times 5 + 3 = 23$.
11. $8x$ Combine like terms: $2x + 6x = 8x$.
12. $x + 8$ "8 more than x " is $x + 8$.
13. **12** $2 \times 4 + 4 = 8 + 4 = 12$.
14. $4x + 4$ $4(x + 1) = 4x + 4 \times 1 = 4x + 4$.
15. $2x$ $9x - 7x = 2x$.
16. $7x$ "the product of a number x and 7" is $7x$.
17. $\frac{x}{9}$ "a number x divided by 9" is $x/9$.
18. **20** $= 20$.