



Name: _____

Date: _____

1. Evaluate $6x + 8$ when $x = 7$.

45

51

50

54

2. Simplify: $3x + 6x$

18x

9x

 $9x^2$

9

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

 $x + 3$ $x - 3$ $3x$ $x \div 3$

4. Evaluate $4x + y$ when $x = 3$ and $y = 7$.

16

19

22

18

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

9x

 $3x + 18$ $3x + 6$ $3x + 9$



6. Simplify: $4x - 1x$

$3x$

3

$4x$

$5x$

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

$2x$

$\frac{x}{2}$

$x + 2$

$x - 2$

8. Which expression means "a number x divided by 3"?

$x - 3$

$\frac{x}{3}$

$x + 3$

$3x$

9. Evaluate $5x + 9$ when $x = 2$.

10. Evaluate $4x + 8$ when $x = 5$.

30

28

29

25



11. Simplify: $2x + 4x$

$8x$

$6x$

6

$6x^2$

12. Which expression means "9 more than a number x "?

$x + 9$

$9x$

$x \div 9$

$x - 9$

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

24

21

23

22

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

$4x + 6$

$4x + 8$

$4x + 2$

$6x$

15. Simplify: $8x - 5x$

3

$40x$

$3x$

$13x$



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

$x + 4$

$x - 4$

$4x$

$\frac{x}{4}$

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

$7x$

$x + 7$

$x - 7$

$\frac{x}{7}$

18. Evaluate $2x + 6$ when $x = 4$.



Answer Key

1. **50** $6 \times 7 + 8 = 50$.
2. $9x$ Combine like terms: $3x + 6x = 9x$.
3. $x + 3$ "3 more than x " is $x + 3$.
4. **19** $4 \times 3 + 7 = 12 + 7 = 19$.
5. $3x + 18$ $3(x + 6) = 3x + 3 \times 6 = 3x + 18$.
6. $3x$ $4x - 1x = 3x$.
7. $2x$ "the product of a number x and 2" is $2x$.
8. $\frac{x}{3}$ "a number x divided by 3" is $x/3$.
9. **19** $= 19$.
10. **28** $4 \times 5 + 8 = 28$.
11. $6x$ Combine like terms: $2x + 4x = 6x$.
12. $x + 9$ "9 more than x " is $x + 9$.
13. **23** $4 \times 4 + 7 = 16 + 7 = 23$.
14. $4x + 8$ $4(x + 2) = 4x + 4 \times 2 = 4x + 8$.
15. $3x$ $8x - 5x = 3x$.
16. $4x$ "the product of a number x and 4" is $4x$.
17. $\frac{x}{7}$ "a number x divided by 7" is $x/7$.
18. **14** $= 14$.