

## Evaluating Variable Expressions

**Evaluate each using the values given.**

1)  $n^2 - m$ ; use  $m = 7$ , and  $n = 8$

2)  $8(x - y)$ ; use  $x = 5$ , and  $y = 2$

3)  $yx \div 2$ ; use  $x = 7$ , and  $y = 2$

4)  $m - n \div 4$ ; use  $m = 5$ , and  $n = 8$

5)  $x - y + 6$ ; use  $x = 6$ , and  $y = 1$

6)  $z + x^3$ ; use  $x = 1$ , and  $z = 19$

7)  $y + yx$ ; use  $x = 15$ , and  $y = 8$

8)  $q \div 6 + p$ ; use  $p = 10$ , and  $q = 12$

9)  $x + 8 - y$ ; use  $x = 20$ , and  $y = 17$

10)  $15 - (m + p)$ ; use  $m = 3$ , and  $p = 10$

11)  $10 - x + y \div 2$ ; use  $x = 5$ , and  $y = 2$

12)  $p - 2 + qp$ ; use  $p = 7$ , and  $q = 4$

13)  $zy + 4y$ ; use  $y = 5$ , and  $z = 2$

14)  $b(a + b) + a$ ; use  $a = 9$ , and  $b = 4$

15)  $p^2 \div 4 - m$ ; use  $m = 3$ , and  $p = 4$

16)  $x(y \div 3)^2$ ; use  $x = 4$ , and  $y = 9$

17)  $4 + m + n - m$ ; use  $m = 4$ , and  $n = 9$

18)  $qp + q - p$ ; use  $p = 7$ , and  $q = 3$

19)  $mn \div 6 + 10$ ; use  $m = 7$ , and  $n = 6$

20)  $h + j(j - h)$ ; use  $h = 2$ , and  $j = 6$

21)  $(b - 1)^2 + a^2$ ; use  $a = 6$ , and  $b = 1$

22)  $y(x - (9 - 4y))$ ; use  $x = 4$ , and  $y = 2$

23)  $x - \left( x - \left( x - y^3 \right) \right)$ ; use  $x = 9$ , and  $y = 1$

24)  $j(h - 9)^3 + 2$ ; use  $h = 9$ , and  $j = 8$

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3)  $yx \div 2$ ; use  $x = 7$ , and  $y = 2$

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4)  $m - n \div 4$ ; use  $m = 5$ , and  $n = 8$

3

5)  $x - y + 6$ ; use  $x = 6$ , and  $y = 1$

11

6)  $z + x^3$ ; use  $x = 1$ , and  $z = 19$

20

7)  $y + yx$ ; use  $x = 15$ , and  $y = 8$

128

8)  $q \div 6 + p$ ; use  $p = 10$ , and  $q = 12$

12

9)  $x + 8 - y$ ; use  $x = 20$ , and  $y = 17$

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10)  $15 - (m + p)$ ; use  $m = 3$ , and  $p = 10$

2

11)  $10 - x + y \div 2$ ; use  $x = 5$ , and  $y = 2$

6

12)  $p - 2 + qp$ ; use  $p = 7$ , and  $q = 4$

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13)  $zy + 4y$ ; use  $y = 5$ , and  $z = 2$

30

14)  $b(a + b) + a$ ; use  $a = 9$ , and  $b = 4$

61

15)  $p^2 \div 4 - m$ ; use  $m = 3$ , and  $p = 4$

1

16)  $x(y \div 3)^2$ ; use  $x = 4$ , and  $y = 9$

36

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