

## Evaluating Expressions (G)

Evaluate each expression using the values given.

1.  $(x + y) \div 5^2$   
( $y = 10, x = 6$ )

6.  $v + c - (c + 1)$   
( $c = 4, v = 8$ )

11.  $(x + 2x)^2$   
( $x = 2$ )

2.  $10 - a \cdot 6 \div a$   
( $a = 5$ )

7.  $b^2 + x - 7$   
( $x = 8, b = 1$ )

12.  $8 \cdot z \div 9 \div u$   
( $z = 10, u = 8$ )

3.  $u - (1^3 - 1)$   
( $u = 1$ )

8.  $v + 8 + v + v$   
( $v = 7$ )

13.  $2 \div (z - (z - 2))$   
( $z = 6$ )

4.  $4 \cdot 7 \cdot c^4$   
( $c = 1$ )

9.  $x(c - c) \cdot x$   
( $x = 3, c = 6$ )

14.  $(4 \div (3 - v))^3$   
( $v = 2$ )

5.  $y \div (6y \div 7)$   
( $y = 1$ )

10.  $a + 8 + 6 - a$   
( $a = 3$ )

15.  $(v + 1) \cdot 1^2$   
( $v = 7$ )

## Evaluating Expressions (G) Answers

Evaluate each expression using the values given.

$$\begin{aligned} 1. & (x+y) \div 5^2 \\ & (y=10, x=6) \\ & = \frac{16}{25} \end{aligned}$$

$$\begin{aligned} 6. & v+c-(c+1) \\ & (c=4, v=8) \\ & = 7 \end{aligned}$$

$$\begin{aligned} 11. & (x+2x)^2 \\ & (x=2) \\ & = 36 \end{aligned}$$

$$\begin{aligned} 2. & 10-a \cdot 6 \div a \\ & (a=5) \\ & = 4 \end{aligned}$$

$$\begin{aligned} 7. & b^2+x-7 \\ & (x=8, b=1) \\ & = 2 \end{aligned}$$

$$\begin{aligned} 12. & 8 \cdot z \div 9 \div u \\ & (z=10, u=8) \\ & = \frac{10}{9} \end{aligned}$$

$$\begin{aligned} 3. & u-(1^3-1) \\ & (u=1) \\ & = 1 \end{aligned}$$

$$\begin{aligned} 8. & v+8+v+v \\ & (v=7) \\ & = 29 \end{aligned}$$

$$\begin{aligned} 13. & 2 \div (z-(z-2)) \\ & (z=6) \\ & = 1 \end{aligned}$$

$$\begin{aligned} 4. & 4 \cdot 7 \cdot c^4 \\ & (c=1) \\ & = 28 \end{aligned}$$

$$\begin{aligned} 9. & x(c-c) \cdot x \\ & (x=3, c=6) \\ & = 0 \end{aligned}$$

$$\begin{aligned} 14. & (4 \div (3-v))^3 \\ & (v=2) \\ & = 64 \end{aligned}$$

$$\begin{aligned} 5. & y \div (6y \div 7) \\ & (y=1) \\ & = \frac{7}{6} \end{aligned}$$

$$\begin{aligned} 10. & a+8+6-a \\ & (a=3) \\ & = 14 \end{aligned}$$

$$\begin{aligned} 15. & (v+1) \cdot 1^2 \\ & (v=7) \\ & = 8 \end{aligned}$$