

Evaluating Expressions (E)

Evaluate each expression using the values given.

1. $x + z - 7 \div 8$
($x = 1, z = 9$)

6. $v \div 3 \cdot 3u$
($u = 6, v = 3$)

11. $u + x + 1 + u$
($x = 10, u = 2$)

2. $10 - (u + 1 + u)$
($u = 4$)

7. $(c \cdot c - c)^2$
($c = 1$)

12. $\left((x - x)^4\right)^4$
($x = 4$)

3. $x + 8 - (x - z)$
($x = 5, z = 4$)

8. $z - (4 + 3 \div u)$
($z = 9, u = 4$)

13. $c \div v(c - v)$
($c = 5, v = 1$)

4. $v \div 8 \div (4v)$
($v = 8$)

9. $b - (b - b \div b)$
($b = 8$)

14. $7 \div ((v - 6) \div b)$
($b = 1, v = 7$)

5. $2z - 3 - 3$
($z = 6$)

10. $(10 + 7 - c) \cdot c$
($c = 7$)

15. $(8 - y) \div (2 \div y)$
($y = 6$)

Evaluating Expressions (E) Answers

Evaluate each expression using the values given.

$$\begin{aligned} 1. \quad & x + z - 7 \div 8 \\ & (x = 1, z = 9) \\ & = \frac{73}{8} \end{aligned}$$

$$\begin{aligned} 6. \quad & v \div 3 \cdot 3u \\ & (u = 6, v = 3) \\ & = 18 \end{aligned}$$

$$\begin{aligned} 11. \quad & u + x + 1 + u \\ & (x = 10, u = 2) \\ & = 15 \end{aligned}$$

$$\begin{aligned} 2. \quad & 10 - (u + 1 + u) \\ & (u = 4) \\ & = 1 \end{aligned}$$

$$\begin{aligned} 7. \quad & (c \cdot c - c)^2 \\ & (c = 1) \\ & = 0 \end{aligned}$$

$$\begin{aligned} 12. \quad & \left((x - x)^4 \right)^4 \\ & (x = 4) \\ & = 0 \end{aligned}$$

$$\begin{aligned} 3. \quad & x + 8 - (x - z) \\ & (x = 5, z = 4) \\ & = 12 \end{aligned}$$

$$\begin{aligned} 8. \quad & z - (4 + 3 \div u) \\ & (z = 9, u = 4) \\ & = \frac{17}{4} \end{aligned}$$

$$\begin{aligned} 13. \quad & c \div v(c - v) \\ & (c = 5, v = 1) \\ & = 20 \end{aligned}$$

$$\begin{aligned} 4. \quad & v \div 8 \div (4v) \\ & (v = 8) \\ & = \frac{1}{32} \end{aligned}$$

$$\begin{aligned} 9. \quad & b - (b - b \div b) \\ & (b = 8) \\ & = 1 \end{aligned}$$

$$\begin{aligned} 14. \quad & 7 \div ((v - 6) \div b) \\ & (b = 1, v = 7) \\ & = 7 \end{aligned}$$

$$\begin{aligned} 5. \quad & 2z - 3 - 3 \\ & (z = 6) \\ & = 6 \end{aligned}$$

$$\begin{aligned} 10. \quad & (10 + 7 - c) \cdot c \\ & (c = 7) \\ & = 70 \end{aligned}$$

$$\begin{aligned} 15. \quad & (8 - y) \div (2 \div y) \\ & (y = 6) \\ & = 6 \end{aligned}$$