

Evaluating Expressions (E)

Evaluate each expression using the values given.

1. $5 + a - a - 1 + 9a$
($a = 5$)

6. $((z - z) \div 6)^3 \div (9z)$
($z = 5$)

2. $2v - ((10 - 1) \div v - y)$
($y = 7, v = 1$)

7. $9 \div a \cdot u \cdot u \div 1 - 1$
($a = 8, u = 3$)

3. $v + x - 4 - 1(x - 3)$
($x = 3, v = 1$)

8. $6u \cdot 3 \div u \div (x \div a)$
($a = 4, x = 6, u = 5$)

4. $(10 + a - c) \div (y \cdot 8 \div a)$
($a = 3, y = 3, c = 10$)

9. $a - (z - z) - a + 7 \cdot 8$
($a = 8, z = 4$)

5. $x \div (b + u - 5 \div 3) \div 2$
($x = 4, b = 7, u = 5$)

10. $y - (3 - y) - (y - y) + 3$
($y = 2$)

Evaluating Expressions (E) Answers

Evaluate each expression using the values given.

$$\begin{aligned} 1. & 5 + a - a - 1 + 9a \\ & (a = 5) \\ & = 49 \end{aligned}$$

$$\begin{aligned} 6. & ((z - z) \div 6)^3 \div (9z) \\ & (z = 5) \\ & = 0 \end{aligned}$$

$$\begin{aligned} 2. & 2v - ((10 - 1) \div v - y) \\ & (y = 7, v = 1) \\ & = 0 \end{aligned}$$

$$\begin{aligned} 7. & 9 \div a \cdot u \cdot u \div 1 - 1 \\ & (a = 8, u = 3) \\ & = \frac{73}{8} \end{aligned}$$

$$\begin{aligned} 3. & v + x - 4 - 1(x - 3) \\ & (x = 3, v = 1) \\ & = 0 \end{aligned}$$

$$\begin{aligned} 8. & 6u \cdot 3 \div u \div (x \div a) \\ & (a = 4, x = 6, u = 5) \\ & = 12 \end{aligned}$$

$$\begin{aligned} 4. & (10 + a - c) \div (y \cdot 8 \div a) \\ & (a = 3, y = 3, c = 10) \\ & = \frac{3}{8} \end{aligned}$$

$$\begin{aligned} 9. & a - (z - z) - a + 7 \cdot 8 \\ & (a = 8, z = 4) \\ & = 56 \end{aligned}$$

$$\begin{aligned} 5. & x \div (b + u - 5 \div 3) \div 2 \\ & (x = 4, b = 7, u = 5) \\ & = \frac{6}{31} \end{aligned}$$

$$\begin{aligned} 10. & y - (3 - y) - (y - y) + 3 \\ & (y = 2) \\ & = 4 \end{aligned}$$