

Evaluating Expressions (E)

Evaluate each expression using the values given.

1. $8 + u + x + 3 \cdot 7$
($x = 1, u = 4$)

6. $9 \div (2^2 \div b)^2$
($b = 6$)

2. $(6 + y^2) \div (ay)$
($y = 5, a = 5$)

7. $v \cdot (z - u) \div 6 \div 8$
($z = 4, u = 3, v = 10$)

3. $v \div (z - v) \div (c + z)$
($c = 1, z = 9, v = 7$)

8. $v \cdot (y(10 - c))^2$
($y = 10, c = 10, v = 3$)

4. $(7 - a \div 4) \cdot v \cdot v$
($a = 10, v = 2$)

9. $(b - b + 5 + 4) \cdot 9$
($b = 10$)

5. $(1 + z) \cdot 2 \div 6 \cdot z$
($z = 6$)

10. $c + x - 3 \div x \cdot x$
($x = 10, c = 7$)

Evaluating Expressions (E) Answers

Evaluate each expression using the values given.

$$\begin{aligned} 1. & 8 + u + x + 3 \cdot 7 \\ & (x = 1, u = 4) \\ & = 34 \end{aligned}$$

$$\begin{aligned} 6. & 9 \div (2^2 \div b)^2 \\ & (b = 6) \\ & = \frac{81}{4} \end{aligned}$$

$$\begin{aligned} 2. & (6 + y^2) \div (ay) \\ & (y = 5, a = 5) \\ & = \frac{31}{25} \end{aligned}$$

$$\begin{aligned} 7. & v \cdot (z - u) \div 6 \div 8 \\ & (z = 4, u = 3, v = 10) \\ & = \frac{5}{24} \end{aligned}$$

$$\begin{aligned} 3. & v \div (z - v) \div (c + z) \\ & (c = 1, z = 9, v = 7) \\ & = \frac{7}{20} \end{aligned}$$

$$\begin{aligned} 8. & v \cdot (y(10 - c))^2 \\ & (y = 10, c = 10, v = 3) \\ & = 0 \end{aligned}$$

$$\begin{aligned} 4. & (7 - a \div 4) \cdot v \cdot v \\ & (a = 10, v = 2) \\ & = 18 \end{aligned}$$

$$\begin{aligned} 9. & (b - b + 5 + 4) \cdot 9 \\ & (b = 10) \\ & = 81 \end{aligned}$$

$$\begin{aligned} 5. & (1 + z) \cdot 2 \div 6 \cdot z \\ & (z = 6) \\ & = 14 \end{aligned}$$

$$\begin{aligned} 10. & c + x - 3 \div x \cdot x \\ & (x = 10, c = 7) \\ & = 14 \end{aligned}$$