

Evaluating Expressions (A)

Evaluate each expression using the values given.

1. $4 \div 6 \cdot (a - 1)^3$
($a = 2$)

6. $2 \div ((8 - v + a) \div 4)$
($a = 7, v = 8$)

2. $(z - 1) \cdot 10 \div 10 + y$
($y = 4, z = 9$)

7. $c^4 + 10 - 3 + v$
($c = 2, v = 4$)

3. $b - (3 + u) + a - a$
($a = 5, b = 7, u = 4$)

8. $(8 \cdot 2 + b + 7) \div 5$
($b = 8$)

4. $y + 8 \div 7 \cdot c \div 2$
($y = 4, c = 9$)

9. $(3^2 - a + 9) \cdot x$
($a = 3, x = 6$)

5. $a(2 \cdot 10 \div b + 10)$
($a = 2, b = 3$)

10. $9 - v + x + v^4$
($x = 8, v = 2$)

Evaluating Expressions (A) Answers

Evaluate each expression using the values given.

$$\begin{aligned} 1. & 4 \div 6 \cdot (a - 1)^3 \\ & (a = 2) \\ & = \frac{2}{3} \end{aligned}$$

$$\begin{aligned} 6. & 2 \div ((8 - v + a) \div 4) \\ & (a = 7, v = 8) \\ & = \frac{8}{7} \end{aligned}$$

$$\begin{aligned} 2. & (z - 1) \cdot 10 \div 10 + y \\ & (y = 4, z = 9) \\ & = 12 \end{aligned}$$

$$\begin{aligned} 7. & c^4 + 10 - 3 + v \\ & (c = 2, v = 4) \\ & = 27 \end{aligned}$$

$$\begin{aligned} 3. & b - (3 + u) + a - a \\ & (a = 5, b = 7, u = 4) \\ & = 0 \end{aligned}$$

$$\begin{aligned} 8. & (8 \cdot 2 + b + 7) \div 5 \\ & (b = 8) \\ & = \frac{31}{5} \end{aligned}$$

$$\begin{aligned} 4. & y + 8 \div 7 \cdot c \div 2 \\ & (y = 4, c = 9) \\ & = \frac{64}{7} \end{aligned}$$

$$\begin{aligned} 9. & (3^2 - a + 9) \cdot x \\ & (a = 3, x = 6) \\ & = 90 \end{aligned}$$

$$\begin{aligned} 5. & a(2 \cdot 10 \div b + 10) \\ & (a = 2, b = 3) \\ & = \frac{100}{3} \end{aligned}$$

$$\begin{aligned} 10. & 9 - v + x + v^4 \\ & (x = 8, v = 2) \\ & = 31 \end{aligned}$$