

Evaluating Expressions (I)

Evaluate each expression using the values given.

1. $v^2 - (v \div v)^4$
($v = 5$)

6. $x \div (2 \div x + 1) - 1$
($x = 10$)

2. $a^2 - 6v \div 1$
($a = 10, v = 1$)

7. $zv + 1^3 - v$
($z = 9, v = 1$)

3. $7 + x \div x + u^2$
($x = 10, u = 3$)

8. $7 \div (x + 7 \div 4 \cdot y)$
($y = 1, x = 2$)

4. $y \div (z \div z) \div 10 \cdot y$
($y = 7, z = 7$)

9. $c - c \div ((7 + y) \div y)$
($y = 10, c = 10$)

5. $(3 - (u - (8 - u)))^3$
($u = 5$)

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

Evaluating Expressions (I) Answers

Evaluate each expression using the values given.

$$\begin{aligned} 1. & v^2 - (v \div v)^4 \\ & (v = 5) \\ & = 24 \end{aligned}$$

$$\begin{aligned} 6. & x \div (2 \div x + 1) - 1 \\ & (x = 10) \\ & = \frac{22}{3} \end{aligned}$$

$$\begin{aligned} 2. & a^2 - 6v \div 1 \\ & (a = 10, v = 1) \\ & = 94 \end{aligned}$$

$$\begin{aligned} 7. & zv + 1^3 - v \\ & (z = 9, v = 1) \\ & = 9 \end{aligned}$$

$$\begin{aligned} 3. & 7 + x \div x + u^2 \\ & (x = 10, u = 3) \\ & = 17 \end{aligned}$$

$$\begin{aligned} 8. & 7 \div (x + 7 \div 4 \cdot y) \\ & (y = 1, x = 2) \\ & = \frac{28}{15} \end{aligned}$$

$$\begin{aligned} 4. & y \div (z \div z) \div 10 \cdot y \\ & (y = 7, z = 7) \\ & = \frac{49}{10} \end{aligned}$$

$$\begin{aligned} 9. & c - c \div ((7 + y) \div y) \\ & (y = 10, c = 10) \\ & = \frac{70}{17} \end{aligned}$$

$$\begin{aligned} 5. & (3 - (u - (8 - u)))^3 \\ & (u = 5) \\ & = 1 \end{aligned}$$

$$\begin{aligned} 10. & x \cdot (7 + c) \cdot 3 \div x \\ & (x = 10, c = 10) \\ & = 51 \end{aligned}$$