

Evaluating Expressions (D)

Evaluate each expression using the values given.

1. $8 - 6 + b + (1 + 6) \div y$
($y = 7, b = 5$)

6. $b - (c + 2)(b - 1 \div 5)$
($c = 2, b = 6$)

2. $\left(((x - x) \div 3)^2 \cdot u \right)^2$
($x = 2, u = 5$)

7. $1 \div (2^3 - 1) \cdot v + 9$
($v = 3$)

3. $a + v^2 - a + v + 6$
($a = 9, v = 8$)

8. $3 \div (z \div 3 - 1) + u - 2$
($z = 9, u = 9$)

4. $z^2 \div b(2 + 9) + z$
($z = 3, b = 6$)

9. $7 \div b + b \div x \div (2 \div b)$
($x = 7, b = 4$)

5. $9(10 + 5 - (7 + a - a))$
($a = 10$)

10. $4 \cdot 3 \cdot (5 - (1 + 4)) \cdot z$
($z = 7$)

Evaluating Expressions (D) Answers

Evaluate each expression using the values given.

$$\begin{aligned} 1. & 8 - 6 + b + (1 + 6) \div y \\ & (y = 7, b = 5) \\ & = 8 \end{aligned}$$

$$\begin{aligned} 6. & b - (c + 2)(b - 1 \div 5) \\ & (c = 2, b = 6) \\ & = \frac{58}{5} \end{aligned}$$

$$\begin{aligned} 2. & \left(((x - x) \div 3)^2 \cdot u \right)^2 \\ & (x = 2, u = 5) \\ & = 0 \end{aligned}$$

$$\begin{aligned} 7. & 1 \div (2^3 - 1) \cdot v + 9 \\ & (v = 3) \\ & = \frac{66}{7} \end{aligned}$$

$$\begin{aligned} 3. & a + v^2 - a + v + 6 \\ & (a = 9, v = 8) \\ & = 78 \end{aligned}$$

$$\begin{aligned} 8. & 3 \div (z \div 3 - 1) + u - 2 \\ & (z = 9, u = 9) \\ & = \frac{17}{2} \end{aligned}$$

$$\begin{aligned} 4. & z^2 \div b(2 + 9) + z \\ & (z = 3, b = 6) \\ & = \frac{39}{2} \end{aligned}$$

$$\begin{aligned} 9. & 7 \div b + b \div x \div (2 \div b) \\ & (x = 7, b = 4) \\ & = \frac{81}{28} \end{aligned}$$

$$\begin{aligned} 5. & 9(10 + 5 - (7 + a - a)) \\ & (a = 10) \\ & = 72 \end{aligned}$$

$$\begin{aligned} 10. & 4 \cdot 3 \cdot (5 - (1 + 4)) \cdot z \\ & (z = 7) \\ & = 0 \end{aligned}$$