

Evaluating Expressions (D)

Evaluate each expression using the values given.

1. $(7 - 5 \div 4) \cdot z$
($z = 2$)

6. $z + c - (z + 1)$
($c = 4, z = 10$)

11. $6 + (u - u)^4$
($u = 6$)

2. $c \div 2 \div c^2$
($c = 8$)

7. $(6 + 3 - x) \cdot 7$
($x = 8$)

12. $u - (8 \div 6 - 1)$
($u = 5$)

3. $6(b + 10) \div b$
($b = 4$)

8. $y(3 - (y - y))$
($y = 3$)

13. $a + b \div (4 - b)$
($a = 8, b = 3$)

4. $2 - (b \div c)^2$
($c = 8, b = 6$)

9. $b + x - x \div 5$
($x = 6, b = 2$)

14. $(v - 4) \cdot u - 5$
($u = 9, v = 7$)

5. $4 \div y \cdot y^2$
($y = 2$)

10. $3 \div b - (3 - z)$
($b = 10, z = 3$)

15. $y \div (6 \cdot 6) \cdot b$
($y = 8, b = 7$)

Evaluating Expressions (D) Answers

Evaluate each expression using the values given.

$$\begin{aligned} 1. & (7 - 5 \div 4) \cdot z \\ & (z = 2) \\ & = \frac{23}{2} \end{aligned}$$

$$\begin{aligned} 6. & z + c - (z + 1) \\ & (c = 4, z = 10) \\ & = 3 \end{aligned}$$

$$\begin{aligned} 11. & 6 + (u - u)^4 \\ & (u = 6) \\ & = 6 \end{aligned}$$

$$\begin{aligned} 2. & c \div 2 \div c^2 \\ & (c = 8) \\ & = \frac{1}{16} \end{aligned}$$

$$\begin{aligned} 7. & (6 + 3 - x) \cdot 7 \\ & (x = 8) \\ & = 7 \end{aligned}$$

$$\begin{aligned} 12. & u - (8 \div 6 - 1) \\ & (u = 5) \\ & = \frac{14}{3} \end{aligned}$$

$$\begin{aligned} 3. & 6(b + 10) \div b \\ & (b = 4) \\ & = 21 \end{aligned}$$

$$\begin{aligned} 8. & y(3 - (y - y)) \\ & (y = 3) \\ & = 9 \end{aligned}$$

$$\begin{aligned} 13. & a + b \div (4 - b) \\ & (a = 8, b = 3) \\ & = 11 \end{aligned}$$

$$\begin{aligned} 4. & 2 - (b \div c)^2 \\ & (c = 8, b = 6) \\ & = \frac{23}{16} \end{aligned}$$

$$\begin{aligned} 9. & b + x - x \div 5 \\ & (x = 6, b = 2) \\ & = \frac{34}{5} \end{aligned}$$

$$\begin{aligned} 14. & (v - 4) \cdot u - 5 \\ & (u = 9, v = 7) \\ & = 22 \end{aligned}$$

$$\begin{aligned} 5. & 4 \div y \cdot y^2 \\ & (y = 2) \\ & = 8 \end{aligned}$$

$$\begin{aligned} 10. & 3 \div b - (3 - z) \\ & (b = 10, z = 3) \\ & = \frac{3}{10} \end{aligned}$$

$$\begin{aligned} 15. & y \div (6 \cdot 6) \cdot b \\ & (y = 8, b = 7) \\ & = \frac{14}{9} \end{aligned}$$