

Evaluating Expressions (J)

Evaluate each expression using the values given.

1. $2 \div (c + y \div c)$
($y = 1, c = 3$)

6. $9(z - u \div u)$
($z = 5, u = 7$)

11. $(7 - u) \div 2 \cdot 6$
($u = 1$)

2. $y \cdot 7 \div 6 - y$
($y = 5$)

7. $(8(y - y))^4$
($y = 7$)

12. $x - x \div (10v)$
($x = 5, v = 5$)

3. $(9 - x \div 3) \cdot 6$
($x = 2$)

8. $b \div (b - y + 5)$
($y = 2, b = 7$)

13. $10 \cdot b \div (v - 1)$
($b = 1, v = 6$)

4. $7 + u - z^2$
($z = 2, u = 4$)

9. $4(1 + z) \cdot 5$
($z = 4$)

14. $(3 + b + 5) \div 9$
($b = 3$)

5. $c \div (c + 3 \div 8)$
($c = 2$)

10. $7 - a - a^2$
($a = 2$)

15. $10 + z \div (v \div 9)$
($z = 3, v = 2$)

Evaluating Expressions (J) Answers

Evaluate each expression using the values given.

$$\begin{aligned} 1. & 2 \div (c + y \div c) \\ & (y = 1, c = 3) \\ & = \frac{3}{5} \end{aligned}$$

$$\begin{aligned} 6. & 9(z - u \div u) \\ & (z = 5, u = 7) \\ & = 36 \end{aligned}$$

$$\begin{aligned} 11. & (7 - u) \div 2 \cdot 6 \\ & (u = 1) \\ & = 18 \end{aligned}$$

$$\begin{aligned} 2. & y \cdot 7 \div 6 - y \\ & (y = 5) \\ & = \frac{5}{6} \end{aligned}$$

$$\begin{aligned} 7. & (8(y - y))^4 \\ & (y = 7) \\ & = 0 \end{aligned}$$

$$\begin{aligned} 12. & x - x \div (10v) \\ & (x = 5, v = 5) \\ & = \frac{49}{10} \end{aligned}$$

$$\begin{aligned} 3. & (9 - x \div 3) \cdot 6 \\ & (x = 2) \\ & = 50 \end{aligned}$$

$$\begin{aligned} 8. & b \div (b - y + 5) \\ & (y = 2, b = 7) \\ & = \frac{7}{10} \end{aligned}$$

$$\begin{aligned} 13. & 10 \cdot b \div (v - 1) \\ & (b = 1, v = 6) \\ & = 2 \end{aligned}$$

$$\begin{aligned} 4. & 7 + u - z^2 \\ & (z = 2, u = 4) \\ & = 7 \end{aligned}$$

$$\begin{aligned} 9. & 4(1 + z) \cdot 5 \\ & (z = 4) \\ & = 100 \end{aligned}$$

$$\begin{aligned} 14. & (3 + b + 5) \div 9 \\ & (b = 3) \\ & = \frac{11}{9} \end{aligned}$$

$$\begin{aligned} 5. & c \div (c + 3 \div 8) \\ & (c = 2) \\ & = \frac{16}{19} \end{aligned}$$

$$\begin{aligned} 10. & 7 - a - a^2 \\ & (a = 2) \\ & = 1 \end{aligned}$$

$$\begin{aligned} 15. & 10 + z \div (v \div 9) \\ & (z = 3, v = 2) \\ & = \frac{47}{2} \end{aligned}$$