

Evaluating Expressions (J)

Evaluate each expression using the values given.

1. $2 \div (6 \cdot z \div (4z))$
($z = 9$)

6. $a \div c(y - 6) \div 1$
($a = 8, y = 7, c = 5$)

2. $7 \div (4x \div (x \cdot x))$
($x = 2$)

7. $9 - a(9 + 4 \div 7)$
($a = 2$)

3. $(x \div 2 + b \cdot b) \cdot 10$
($x = 7, b = 2$)

8. $(a - a) \div (y^3 \cdot y)$
($a = 8, y = 3$)

4. $(b \div b + c^4) \div c$
($c = 2, b = 1$)

9. $8 + y - u \div 7 \cdot 2$
($y = 6, u = 9$)

5. $z - (z - z) \div z \cdot 9$
($z = 7$)

10. $(a + y + 7 + 3) \cdot 3$
($a = 4, y = 6$)

Evaluating Expressions (J) Answers

Evaluate each expression using the values given.

$$\begin{aligned} 1. & 2 \div (6 \cdot z \div (4z)) \\ & (z = 9) \\ & = \frac{4}{3} \end{aligned}$$

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

$$\begin{aligned} 2. & 7 \div (4x \div (x \cdot x)) \\ & (x = 2) \\ & = \frac{7}{2} \end{aligned}$$

$$\begin{aligned} 7. & 9 - a(9 + 4 \div 7) \\ & (a = 2) \\ & = 67 \end{aligned}$$

$$\begin{aligned} 3. & (x \div 2 + b \cdot b) \cdot 10 \\ & (x = 7, b = 2) \\ & = 75 \end{aligned}$$

$$\begin{aligned} 8. & (a - a) \div (y^3 \cdot y) \\ & (a = 8, y = 3) \\ & = 0 \end{aligned}$$

$$\begin{aligned} 4. & (b \div b + c^4) \div c \\ & (c = 2, b = 1) \\ & = \frac{17}{2} \end{aligned}$$

$$\begin{aligned} 9. & 8 + y - u \div 7 \cdot 2 \\ & (y = 6, u = 9) \\ & = \frac{80}{7} \end{aligned}$$

$$\begin{aligned} 5. & z - (z - z) \div z \cdot 9 \\ & (z = 7) \\ & = 7 \end{aligned}$$

$$\begin{aligned} 10. & (a + y + 7 + 3) \cdot 3 \\ & (a = 4, y = 6) \\ & = 60 \end{aligned}$$