

Evaluating Expressions (F)

Evaluate each expression using the values given.

1. $(5x - z \cdot z) \cdot 3$
 $(x = 5, z = 5)$

6. $3(10 + z - v \div 3)$
 $(z = 1, v = 2)$

2. $4^2 \div 5 \cdot b \div b$
 $(b = 6)$

7. $8 - (x - x) \div (3 + 10)$
 $(x = 5)$

3. $b \div x \cdot (y - 1) \cdot b$
 $(y = 3, x = 3, b = 7)$

8. $(4(10 - x) - 2)^4$
 $(x = 9)$

4. $8 - (v - 7v \div 8)$
 $(v = 8)$

9. $(a - 8)^4 \cdot z \div z$
 $(a = 8, z = 5)$

5. $(v - (c - 3)) \cdot c \div 3$
 $(c = 8, v = 10)$

10. $a \div (a \div (9 \div 9))^3$
 $(a = 2)$

Evaluating Expressions (F) Answers

Evaluate each expression using the values given.

$$\begin{aligned} 1. & (5x - z \cdot z) \cdot 3 \\ & (x = 5, z = 5) \\ & = 0 \end{aligned}$$

$$\begin{aligned} 6. & 3(10 + z - v \div 3) \\ & (z = 1, v = 2) \\ & = 31 \end{aligned}$$

$$\begin{aligned} 2. & 4^2 \div 5 \cdot b \div b \\ & (b = 6) \\ & = \frac{16}{5} \end{aligned}$$

$$\begin{aligned} 7. & 8 - (x - x) \div (3 + 10) \\ & (x = 5) \\ & = 8 \end{aligned}$$

$$\begin{aligned} 3. & b \div x \cdot (y - 1) \cdot b \\ & (y = 3, x = 3, b = 7) \\ & = \frac{98}{3} \end{aligned}$$

$$\begin{aligned} 8. & (4(10 - x) - 2)^4 \\ & (x = 9) \\ & = 16 \end{aligned}$$

$$\begin{aligned} 4. & 8 - (v - 7v \div 8) \\ & (v = 8) \\ & = 7 \end{aligned}$$

$$\begin{aligned} 9. & (a - 8)^4 \cdot z \div z \\ & (a = 8, z = 5) \\ & = 0 \end{aligned}$$

$$\begin{aligned} 5. & (v - (c - 3)) \cdot c \div 3 \\ & (c = 8, v = 10) \\ & = \frac{40}{3} \end{aligned}$$

$$\begin{aligned} 10. & a \div (a \div (9 \div 9))^3 \\ & (a = 2) \\ & = \frac{1}{4} \end{aligned}$$