

Evaluating Expressions (F)

Evaluate each expression using the values given.

1. $4 - c \div 2 \div 6$
($c = 7$)

6. $10 \div (a \div z) - 3$
($a = 10, z = 4$)

11. $4 \cdot 2 \div (x \div x)$
($x = 2$)

2. $(z + u) \div 7 \cdot u$
($z = 5, u = 4$)

7. $(2(u - u))^3$
($u = 10$)

12. $v \cdot 2 \div (10 + 4)$
($v = 2$)

3. $(zb \div b)^2$
($z = 4, b = 2$)

8. $a - (y - y \div 7)$
($a = 9, y = 5$)

13. $10 - 2 - u + u$
($u = 8$)

4. $6 + y + y - 3$
($y = 9$)

9. $6 - (x + 6 - x)$
($x = 2$)

14. $7 \cdot z \div 9 + 2$
($z = 8$)

5. $b \div ((9 - 5) \cdot b)$
($b = 6$)

10. $y \div (y + 5 - c)$
($y = 8, c = 6$)

15. $7c \div (2 - c)$
($c = 1$)

Evaluating Expressions (F) Answers

Evaluate each expression using the values given.

$$\begin{aligned} 1. & 4 - c \div 2 \div 6 \\ & (c = 7) \\ & = \frac{41}{12} \end{aligned}$$

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

$$\begin{aligned} 11. & 4 \cdot 2 \div (x \div x) \\ & (x = 2) \\ & = 8 \end{aligned}$$

$$\begin{aligned} 2. & (z + u) \div 7 \cdot u \\ & (z = 5, u = 4) \\ & = \frac{36}{7} \end{aligned}$$

$$\begin{aligned} 7. & (2(u - u))^3 \\ & (u = 10) \\ & = 0 \end{aligned}$$

$$\begin{aligned} 12. & v \cdot 2 \div (10 + 4) \\ & (v = 2) \\ & = \frac{2}{7} \end{aligned}$$

$$\begin{aligned} 3. & (zb \div b)^2 \\ & (z = 4, b = 2) \\ & = 16 \end{aligned}$$

$$\begin{aligned} 8. & a - (y - y \div 7) \\ & (a = 9, y = 5) \\ & = \frac{33}{7} \end{aligned}$$

$$\begin{aligned} 13. & 10 - 2 - u + u \\ & (u = 8) \\ & = 8 \end{aligned}$$

$$\begin{aligned} 4. & 6 + y + y - 3 \\ & (y = 9) \\ & = 21 \end{aligned}$$

$$\begin{aligned} 9. & 6 - (x + 6 - x) \\ & (x = 2) \\ & = 0 \end{aligned}$$

$$\begin{aligned} 14. & 7 \cdot z \div 9 + 2 \\ & (z = 8) \\ & = \frac{74}{9} \end{aligned}$$

$$\begin{aligned} 5. & b \div ((9 - 5) \cdot b) \\ & (b = 6) \\ & = \frac{1}{4} \end{aligned}$$

$$\begin{aligned} 10. & y \div (y + 5 - c) \\ & (y = 8, c = 6) \\ & = \frac{8}{7} \end{aligned}$$

$$\begin{aligned} 15. & 7c \div (2 - c) \\ & (c = 1) \\ & = 7 \end{aligned}$$