

Evaluating Expressions (H)

Evaluate each expression using the values given.

1. $4u \div 3 + z + b - 3$
($b = 6, z = 6, u = 9$)

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

2. $8 + 6 + 9 - (b + 8) - b$
($b = 7$)

7. $v + (v + c) \div ((v + 8) \div b)$
($c = 10, b = 9, v = 10$)

3. $(v - x) \cdot v \div 1^3 \div 2$
($x = 3, v = 7$)

8. $(b - 4 \div 8) \div 4(9 - z)$
($b = 2, z = 2$)

4. $(b + c) \div c + 8 \div (c + b)$
($c = 8, b = 8$)

9. $(u + b + b) \cdot u \cdot u \div u$
($b = 4, u = 6$)

5. $z \cdot z \div u \cdot 8 \div z^2$
($z = 1, u = 7$)

10. $u \div (u + 7 - u + 6 + 4)$
($u = 8$)

Evaluating Expressions (H) Answers

Evaluate each expression using the values given.

$$\begin{aligned} 1. & 4u \div 3 + z + b - 3 \\ & (b = 6, z = 6, u = 9) \\ & = 21 \end{aligned}$$

$$\begin{aligned} 6. & (3 - 2) \cdot 6 \cdot 3 \div c \cdot 6 \\ & (c = 2) \\ & = 54 \end{aligned}$$

$$\begin{aligned} 2. & 8 + 6 + 9 - (b + 8) - b \\ & (b = 7) \\ & = 1 \end{aligned}$$

$$\begin{aligned} 7. & v + (v + c) \div ((v + 8) \div b) \\ & (c = 10, b = 9, v = 10) \\ & = 20 \end{aligned}$$

$$\begin{aligned} 3. & (v - x) \cdot v \div 1^3 \div 2 \\ & (x = 3, v = 7) \\ & = 14 \end{aligned}$$

$$\begin{aligned} 8. & (b - 4 \div 8) \div 4(9 - z) \\ & (b = 2, z = 2) \\ & = \frac{21}{8} \end{aligned}$$

$$\begin{aligned} 4. & (b + c) \div c + 8 \div (c + b) \\ & (c = 8, b = 8) \\ & = \frac{5}{2} \end{aligned}$$

$$\begin{aligned} 9. & (u + b + b) \cdot u \cdot u \div u \\ & (b = 4, u = 6) \\ & = 84 \end{aligned}$$

$$\begin{aligned} 5. & z \cdot z \div u \cdot 8 \div z^2 \\ & (z = 1, u = 7) \\ & = \frac{8}{7} \end{aligned}$$

$$\begin{aligned} 10. & u \div (u + 7 - u + 6 + 4) \\ & (u = 8) \\ & = \frac{8}{17} \end{aligned}$$