

## Evaluating Expressions (B)

Evaluate each expression using the values given.

1.  $8 \div (4(10 - 6)) + z$   
( $z = 7$ )

6.  $2 \cdot x \div (c + 8 + c)$   
( $x = 6, c = 5$ )

2.  $3 + x + u - (c - 1)$   
( $x = 7, c = 3, u = 9$ )

7.  $c \cdot y^2 \div c^2$   
( $y = 2, c = 8$ )

3.  $(8 + c - 2 - 8)^2$   
( $c = 10$ )

8.  $z^2 - (z + 4u)$   
( $z = 9, u = 7$ )

4.  $((8 - x) \div 6 \cdot 5)^2$   
( $x = 7$ )

9.  $7 \div ((5 + 7) \cdot y) \cdot 2$   
( $y = 3$ )

5.  $z \cdot z \div 1 \cdot 4 - z$   
( $z = 4$ )

10.  $3 + a + a \cdot a \div 2$   
( $a = 8$ )

## Evaluating Expressions (B) Answers

Evaluate each expression using the values given.

$$\begin{aligned} 1. & 8 \div (4(10 - 6)) + z \\ & (z = 7) \\ & = \frac{15}{2} \end{aligned}$$

$$\begin{aligned} 6. & 2 \cdot x \div (c + 8 + c) \\ & (x = 6, c = 5) \\ & = \frac{2}{3} \end{aligned}$$

$$\begin{aligned} 2. & 3 + x + u - (c - 1) \\ & (x = 7, c = 3, u = 9) \\ & = 17 \end{aligned}$$

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

$$\begin{aligned} 3. & (8 + c - 2 - 8)^2 \\ & (c = 10) \\ & = 64 \end{aligned}$$

$$\begin{aligned} 8. & z^2 - (z + 4u) \\ & (z = 9, u = 7) \\ & = 44 \end{aligned}$$

$$\begin{aligned} 4. & ((8 - x) \div 6 \cdot 5)^2 \\ & (x = 7) \\ & = \frac{25}{36} \end{aligned}$$

$$\begin{aligned} 9. & 7 \div ((5 + 7) \cdot y) \cdot 2 \\ & (y = 3) \\ & = \frac{7}{18} \end{aligned}$$

$$\begin{aligned} 5. & z \cdot z \div 1 \cdot 4 - z \\ & (z = 4) \\ & = 60 \end{aligned}$$

$$\begin{aligned} 10. & 3 + a + a \cdot a \div 2 \\ & (a = 8) \\ & = 43 \end{aligned}$$