

## Evaluating Expressions (A)

Evaluate each expression using the values given.

1.  $b \cdot (9 - b) \cdot b$   
( $b = 9$ )

6.  $(z - z \div 6) \cdot 6$   
( $z = 10$ )

11.  $u \div (a \cdot a^2)$   
( $a = 1, u = 10$ )

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

7.  $b^4 \div b \cdot 10$   
( $b = 1$ )

12.  $6 \div 3 + y + 8$   
( $y = 7$ )

3.  $(y + y - y) \div y$   
( $y = 2$ )

8.  $x + (5 - 1)^2$   
( $x = 1$ )

13.  $9 - 6 \div b \div 2$   
( $b = 8$ )

4.  $(5 \div (x + 4))^3$   
( $x = 1$ )

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

14.  $ax \div (6a)$   
( $a = 9, x = 3$ )

5.  $(c - (c - c)) \cdot 2$   
( $c = 5$ )

10.  $8 + 1 + 4 + u$   
( $u = 1$ )

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

## Evaluating Expressions (A) Answers

Evaluate each expression using the values given.

$$\begin{aligned} 1. & b \cdot (9 - b) \cdot b \\ & (b = 9) \\ & = 0 \end{aligned}$$

$$\begin{aligned} 6. & (z - z \div 6) \cdot 6 \\ & (z = 10) \\ & = 50 \end{aligned}$$

$$\begin{aligned} 11. & u \div (a \cdot a^2) \\ & (a = 1, u = 10) \\ & = 10 \end{aligned}$$

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

$$\begin{aligned} 7. & b^4 \div b \cdot 10 \\ & (b = 1) \\ & = 10 \end{aligned}$$

$$\begin{aligned} 12. & 6 \div 3 + y + 8 \\ & (y = 7) \\ & = 17 \end{aligned}$$

$$\begin{aligned} 3. & (y + y - y) \div y \\ & (y = 2) \\ & = 1 \end{aligned}$$

$$\begin{aligned} 8. & x + (5 - 1)^2 \\ & (x = 1) \\ & = 17 \end{aligned}$$

$$\begin{aligned} 13. & 9 - 6 \div b \div 2 \\ & (b = 8) \\ & = \frac{69}{8} \end{aligned}$$

$$\begin{aligned} 4. & (5 \div (x + 4))^3 \\ & (x = 1) \\ & = 1 \end{aligned}$$

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

$$\begin{aligned} 14. & ax \div (6a) \\ & (a = 9, x = 3) \\ & = \frac{1}{2} \end{aligned}$$

$$\begin{aligned} 5. & (c - (c - c)) \cdot 2 \\ & (c = 5) \\ & = 10 \end{aligned}$$

$$\begin{aligned} 10. & 8 + 1 + 4 + u \\ & (u = 1) \\ & = 14 \end{aligned}$$

$$\begin{aligned} 15. & a + 9 - 7 \div a \\ & (a = 2) \\ & = \frac{15}{2} \end{aligned}$$