

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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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