

Evaluating Expressions (A)

Evaluate each expression using the value given.

1. $c \cdot c \div 4$
($c = 5$)

6. $z^4 \div z$
($z = 1$)

11. $z \div (8 - z)$
($z = 1$)

2. $u + 4u$
($u = 6$)

7. $7b \div b$
($b = 2$)

12. $6 - x \div 6$
($x = 7$)

3. $2b - b$
($b = 9$)

8. $(10 - 9) \cdot c$
($c = 10$)

13. $(10 + y) \div y$
($y = 9$)

4. $u \div u^2$
($u = 2$)

9. $u + 4 + 8$
($u = 2$)

14. $z \cdot z \div z$
($z = 2$)

5. $5 + 3 - c$
($c = 8$)

10. $10 + 2 - x$
($x = 6$)

15. $c(6 - 2)$
($c = 4$)

Evaluating Expressions (A) Answers

Evaluate each expression using the value given.

$$\begin{aligned} 1. & c \cdot c \div 4 \\ & (c = 5) \\ & = \frac{25}{4} \end{aligned}$$

$$\begin{aligned} 6. & z^4 \div z \\ & (z = 1) \\ & = 1 \end{aligned}$$

$$\begin{aligned} 11. & z \div (8 - z) \\ & (z = 1) \\ & = \frac{1}{7} \end{aligned}$$

$$\begin{aligned} 2. & u + 4u \\ & (u = 6) \\ & = 30 \end{aligned}$$

$$\begin{aligned} 7. & 7b \div b \\ & (b = 2) \\ & = 7 \end{aligned}$$

$$\begin{aligned} 12. & 6 - x \div 6 \\ & (x = 7) \\ & = \frac{29}{6} \end{aligned}$$

$$\begin{aligned} 3. & 2b - b \\ & (b = 9) \\ & = 9 \end{aligned}$$

$$\begin{aligned} 8. & (10 - 9) \cdot c \\ & (c = 10) \\ & = 10 \end{aligned}$$

$$\begin{aligned} 13. & (10 + y) \div y \\ & (y = 9) \\ & = \frac{19}{9} \end{aligned}$$

$$\begin{aligned} 4. & u \div u^2 \\ & (u = 2) \\ & = \frac{1}{2} \end{aligned}$$

$$\begin{aligned} 9. & u + 4 + 8 \\ & (u = 2) \\ & = 14 \end{aligned}$$

$$\begin{aligned} 14. & z \cdot z \div z \\ & (z = 2) \\ & = 2 \end{aligned}$$

$$\begin{aligned} 5. & 5 + 3 - c \\ & (c = 8) \\ & = 0 \end{aligned}$$

$$\begin{aligned} 10. & 10 + 2 - x \\ & (x = 6) \\ & = 6 \end{aligned}$$

$$\begin{aligned} 15. & c(6 - 2) \\ & (c = 4) \\ & = 16 \end{aligned}$$

Evaluating Expressions (B)

Evaluate each expression using the value given.

1. $10 + u - 9$
($u = 2$)

6. $8^2 - b$
($b = 10$)

11. $7 \cdot 9 + v$
($v = 10$)

2. $8 \cdot 9 - b$
($b = 4$)

7. $v^2 - 6$
($v = 6$)

12. $u - 8 \div 3$
($u = 4$)

3. $(7 + u) \cdot u$
($u = 1$)

8. $v \div v + v$
($v = 10$)

13. $y^2 + 2$
($y = 6$)

4. $a(a - a)$
($a = 8$)

9. $y \div (y \div y)$
($y = 6$)

14. $b + 1 + 4$
($b = 6$)

5. $a \cdot a - a$
($a = 7$)

10. $10 \div (b + 10)$
($b = 1$)

15. $(v - 3) \cdot 8$
($v = 7$)

Evaluating Expressions (B) Answers

Evaluate each expression using the value given.

$$\begin{aligned} 1. & 10 + u - 9 \\ & (u = 2) \\ & = 3 \end{aligned}$$

$$\begin{aligned} 6. & 8^2 - b \\ & (b = 10) \\ & = 54 \end{aligned}$$

$$\begin{aligned} 11. & 7 \cdot 9 + v \\ & (v = 10) \\ & = 73 \end{aligned}$$

$$\begin{aligned} 2. & 8 \cdot 9 - b \\ & (b = 4) \\ & = 68 \end{aligned}$$

$$\begin{aligned} 7. & v^2 - 6 \\ & (v = 6) \\ & = 30 \end{aligned}$$

$$\begin{aligned} 12. & u - 8 \div 3 \\ & (u = 4) \\ & = \frac{4}{3} \end{aligned}$$

$$\begin{aligned} 3. & (7 + u) \cdot u \\ & (u = 1) \\ & = 8 \end{aligned}$$

$$\begin{aligned} 8. & v \div v + v \\ & (v = 10) \\ & = 11 \end{aligned}$$

$$\begin{aligned} 13. & y^2 + 2 \\ & (y = 6) \\ & = 38 \end{aligned}$$

$$\begin{aligned} 4. & a(a - a) \\ & (a = 8) \\ & = 0 \end{aligned}$$

$$\begin{aligned} 9. & y \div (y \div y) \\ & (y = 6) \\ & = 6 \end{aligned}$$

$$\begin{aligned} 14. & b + 1 + 4 \\ & (b = 6) \\ & = 11 \end{aligned}$$

$$\begin{aligned} 5. & a \cdot a - a \\ & (a = 7) \\ & = 42 \end{aligned}$$

$$\begin{aligned} 10. & 10 \div (b + 10) \\ & (b = 1) \\ & = \frac{10}{11} \end{aligned}$$

$$\begin{aligned} 15. & (v - 3) \cdot 8 \\ & (v = 7) \\ & = 32 \end{aligned}$$

Evaluating Expressions (C)

Evaluate each expression using the value given.

1. $x + x \cdot x$
($x = 5$)

6. $z \div z - z$
($z = 1$)

11. $(4 - c) \cdot c$
($c = 3$)

2. $a - 7 \div 8$
($a = 9$)

7. $9 - (x - x)$
($x = 8$)

12. $3 \div z \cdot z$
($z = 10$)

3. $u^2 \cdot 5$
($u = 3$)

8. $x \div 4 \div x$
($x = 7$)

13. $9b \div b$
($b = 4$)

4. $(6 + 2) \div c$
($c = 9$)

9. $(c \div c)^4$
($c = 7$)

14. $(z - z)^3$
($z = 6$)

5. $8 + x - x$
($x = 9$)

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

15. $b \div 8 \cdot 10$
($b = 8$)

Evaluating Expressions (C) Answers

Evaluate each expression using the value given.

$$\begin{aligned} 1. & x + x \cdot x \\ & (x = 5) \\ & = 30 \end{aligned}$$

$$\begin{aligned} 6. & z \div z - z \\ & (z = 1) \\ & = 0 \end{aligned}$$

$$\begin{aligned} 11. & (4 - c) \cdot c \\ & (c = 3) \\ & = 3 \end{aligned}$$

$$\begin{aligned} 2. & a - 7 \div 8 \\ & (a = 9) \\ & = \frac{65}{8} \end{aligned}$$

$$\begin{aligned} 7. & 9 - (x - x) \\ & (x = 8) \\ & = 9 \end{aligned}$$

$$\begin{aligned} 12. & 3 \div z \cdot z \\ & (z = 10) \\ & = 3 \end{aligned}$$

$$\begin{aligned} 3. & u^2 \cdot 5 \\ & (u = 3) \\ & = 45 \end{aligned}$$

$$\begin{aligned} 8. & x \div 4 \div x \\ & (x = 7) \\ & = \frac{1}{4} \end{aligned}$$

$$\begin{aligned} 13. & 9b \div b \\ & (b = 4) \\ & = 9 \end{aligned}$$

$$\begin{aligned} 4. & (6 + 2) \div c \\ & (c = 9) \\ & = \frac{8}{9} \end{aligned}$$

$$\begin{aligned} 9. & (c \div c)^4 \\ & (c = 7) \\ & = 1 \end{aligned}$$

$$\begin{aligned} 14. & (z - z)^3 \\ & (z = 6) \\ & = 0 \end{aligned}$$

$$\begin{aligned} 5. & 8 + x - x \\ & (x = 9) \\ & = 8 \end{aligned}$$

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

$$\begin{aligned} 15. & b \div 8 \cdot 10 \\ & (b = 8) \\ & = 10 \end{aligned}$$

Evaluating Expressions (D)

Evaluate each expression using the value given.

1. $x + x + 3$
($x = 2$)

6. $u(7 + u)$
($u = 4$)

11. $2 \div (a \div a)$
($a = 4$)

2. $8 \div x - 1$
($x = 7$)

7. $6z \div z$
($z = 5$)

12. $6 - u \cdot u$
($u = 2$)

3. $(9 - y) \div 7$
($y = 8$)

8. $z^3 + 7$
($z = 1$)

13. $6 - (c - c)$
($c = 1$)

4. $v - v \div 9$
($v = 3$)

9. $8 - c \div c$
($c = 3$)

14. $x \div (6 - 4)$
($x = 5$)

5. $u^3 + u$
($u = 4$)

10. $(v - v)^2$
($v = 4$)

15. $2 \cdot z \div 3$
($z = 10$)

Evaluating Expressions (D) Answers

Evaluate each expression using the value given.

$$\begin{aligned} 1. \quad & x + x + 3 \\ & (x = 2) \\ & = 7 \end{aligned}$$

$$\begin{aligned} 6. \quad & u(7 + u) \\ & (u = 4) \\ & = 44 \end{aligned}$$

$$\begin{aligned} 11. \quad & 2 \div (a \div a) \\ & (a = 4) \\ & = 2 \end{aligned}$$

$$\begin{aligned} 2. \quad & 8 \div x - 1 \\ & (x = 7) \\ & = \frac{1}{7} \end{aligned}$$

$$\begin{aligned} 7. \quad & 6z \div z \\ & (z = 5) \\ & = 6 \end{aligned}$$

$$\begin{aligned} 12. \quad & 6 - u \cdot u \\ & (u = 2) \\ & = 2 \end{aligned}$$

$$\begin{aligned} 3. \quad & (9 - y) \div 7 \\ & (y = 8) \\ & = \frac{1}{7} \end{aligned}$$

$$\begin{aligned} 8. \quad & z^3 + 7 \\ & (z = 1) \\ & = 8 \end{aligned}$$

$$\begin{aligned} 13. \quad & 6 - (c - c) \\ & (c = 1) \\ & = 6 \end{aligned}$$

$$\begin{aligned} 4. \quad & v - v \div 9 \\ & (v = 3) \\ & = \frac{8}{3} \end{aligned}$$

$$\begin{aligned} 9. \quad & 8 - c \div c \\ & (c = 3) \\ & = 7 \end{aligned}$$

$$\begin{aligned} 14. \quad & x \div (6 - 4) \\ & (x = 5) \\ & = \frac{5}{2} \end{aligned}$$

$$\begin{aligned} 5. \quad & u^3 + u \\ & (u = 4) \\ & = 68 \end{aligned}$$

$$\begin{aligned} 10. \quad & (v - v)^2 \\ & (v = 4) \\ & = 0 \end{aligned}$$

$$\begin{aligned} 15. \quad & 2 \cdot z \div 3 \\ & (z = 10) \\ & = \frac{20}{3} \end{aligned}$$

Evaluating Expressions (E)

Evaluate each expression using the value given.

1. $(c + 6) \div c$
($c = 6$)

6. $c \div (3 \div 8)$
($c = 2$)

11. $u \cdot 5 \div 7$
($u = 9$)

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

7. $2 - b \div 10$
($b = 5$)

12. $(8 - x) \div 6$
($x = 4$)

3. $9 \cdot 4 + a$
($a = 6$)

8. $a - (a - 1)$
($a = 9$)

13. $c \div (c \div 5)$
($c = 5$)

4. $y^2 + y$
($y = 4$)

9. $b + 10 - b$
($b = 8$)

14. $3 \div x \cdot 4$
($x = 5$)

5. $(x - 2)^2$
($x = 3$)

10. $c \cdot c \cdot c$
($c = 2$)

15. $10(10 - y)$
($y = 10$)

Evaluating Expressions (E) Answers

Evaluate each expression using the value given.

$$\begin{aligned} 1. & (c + 6) \div c \\ & (c = 6) \\ & = 2 \end{aligned}$$

$$\begin{aligned} 6. & c \div (3 \div 8) \\ & (c = 2) \\ & = \frac{16}{3} \end{aligned}$$

$$\begin{aligned} 11. & u \cdot 5 \div 7 \\ & (u = 9) \\ & = \frac{45}{7} \end{aligned}$$

$$\begin{aligned} 2. & (9 \div u)^3 \\ & (u = 9) \\ & = 1 \end{aligned}$$

$$\begin{aligned} 7. & 2 - b \div 10 \\ & (b = 5) \\ & = \frac{3}{2} \end{aligned}$$

$$\begin{aligned} 12. & (8 - x) \div 6 \\ & (x = 4) \\ & = \frac{2}{3} \end{aligned}$$

$$\begin{aligned} 3. & 9 \cdot 4 + a \\ & (a = 6) \\ & = 42 \end{aligned}$$

$$\begin{aligned} 8. & a - (a - 1) \\ & (a = 9) \\ & = 1 \end{aligned}$$

$$\begin{aligned} 13. & c \div (c \div 5) \\ & (c = 5) \\ & = 5 \end{aligned}$$

$$\begin{aligned} 4. & y^2 + y \\ & (y = 4) \\ & = 20 \end{aligned}$$

$$\begin{aligned} 9. & b + 10 - b \\ & (b = 8) \\ & = 10 \end{aligned}$$

$$\begin{aligned} 14. & 3 \div x \cdot 4 \\ & (x = 5) \\ & = \frac{12}{5} \end{aligned}$$

$$\begin{aligned} 5. & (x - 2)^2 \\ & (x = 3) \\ & = 1 \end{aligned}$$

$$\begin{aligned} 10. & c \cdot c \cdot c \\ & (c = 2) \\ & = 8 \end{aligned}$$

$$\begin{aligned} 15. & 10(10 - y) \\ & (y = 10) \\ & = 0 \end{aligned}$$

Evaluating Expressions (F)

Evaluate each expression using the value given.

1. $u - 7 \div u$
($u = 3$)

6. $8 - a \div a$
($a = 2$)

11. $x - x \div x$
($x = 5$)

2. $x \div (10 \cdot 2)$
($x = 10$)

7. $8b \div b$
($b = 4$)

12. $2 \div z + 4$
($z = 6$)

3. $(8 - v)^4$
($v = 7$)

8. $y - y \div y$
($y = 2$)

13. $x \cdot x + x$
($x = 7$)

4. $6a \div a$
($a = 6$)

9. $7 \div z + 3$
($z = 10$)

14. $(x^2)^2$
($x = 3$)

5. $y(y + 7)$
($y = 1$)

10. $4 + c - 5$
($c = 5$)

15. $v(4 - 3)$
($v = 1$)

Evaluating Expressions (F) Answers

Evaluate each expression using the value given.

$$\begin{aligned} 1. & u - 7 \div u \\ & (u = 3) \\ & = \frac{2}{3} \end{aligned}$$

$$\begin{aligned} 6. & 8 - a \div a \\ & (a = 2) \\ & = 7 \end{aligned}$$

$$\begin{aligned} 11. & x - x \div x \\ & (x = 5) \\ & = 4 \end{aligned}$$

$$\begin{aligned} 2. & x \div (10 \cdot 2) \\ & (x = 10) \\ & = \frac{1}{2} \end{aligned}$$

$$\begin{aligned} 7. & 8b \div b \\ & (b = 4) \\ & = 8 \end{aligned}$$

$$\begin{aligned} 12. & 2 \div z + 4 \\ & (z = 6) \\ & = \frac{13}{3} \end{aligned}$$

$$\begin{aligned} 3. & (8 - v)^4 \\ & (v = 7) \\ & = 1 \end{aligned}$$

$$\begin{aligned} 8. & y - y \div y \\ & (y = 2) \\ & = 1 \end{aligned}$$

$$\begin{aligned} 13. & x \cdot x + x \\ & (x = 7) \\ & = 56 \end{aligned}$$

$$\begin{aligned} 4. & 6a \div a \\ & (a = 6) \\ & = 6 \end{aligned}$$

$$\begin{aligned} 9. & 7 \div z + 3 \\ & (z = 10) \\ & = \frac{37}{10} \end{aligned}$$

$$\begin{aligned} 14. & (x^2)^2 \\ & (x = 3) \\ & = 81 \end{aligned}$$

$$\begin{aligned} 5. & y(y + 7) \\ & (y = 1) \\ & = 8 \end{aligned}$$

$$\begin{aligned} 10. & 4 + c - 5 \\ & (c = 5) \\ & = 4 \end{aligned}$$

$$\begin{aligned} 15. & v(4 - 3) \\ & (v = 1) \\ & = 1 \end{aligned}$$

Evaluating Expressions (G)

Evaluate each expression using the value given.

1. $2u - u$
($u = 1$)

6. $(1 + 3) \cdot u$
($u = 7$)

11. $9(x - 2)$
($x = 7$)

2. $z \div 4 \div z$
($z = 6$)

7. $2 - (x - x)$
($x = 2$)

12. $x \cdot x - x$
($x = 9$)

3. $6 \cdot 10 - y$
($y = 5$)

8. $7 - z + z$
($z = 4$)

13. $u \div (4u)$
($u = 3$)

4. $8 + v - v$
($v = 5$)

9. $(2 - b)^2$
($b = 1$)

14. $2 - (y - y)$
($y = 8$)

5. $b \div (4 \div 4)$
($b = 10$)

10. $2x - 9$
($x = 9$)

15. $10 + 8 \div u$
($u = 7$)

Evaluating Expressions (G) Answers

Evaluate each expression using the value given.

$$\begin{aligned} 1. \quad & 2u - u \\ & (u = 1) \\ & = 1 \end{aligned}$$

$$\begin{aligned} 6. \quad & (1 + 3) \cdot u \\ & (u = 7) \\ & = 28 \end{aligned}$$

$$\begin{aligned} 11. \quad & 9(x - 2) \\ & (x = 7) \\ & = 45 \end{aligned}$$

$$\begin{aligned} 2. \quad & z \div 4 \div z \\ & (z = 6) \\ & = \frac{1}{4} \end{aligned}$$

$$\begin{aligned} 7. \quad & 2 - (x - x) \\ & (x = 2) \\ & = 2 \end{aligned}$$

$$\begin{aligned} 12. \quad & x \cdot x - x \\ & (x = 9) \\ & = 72 \end{aligned}$$

$$\begin{aligned} 3. \quad & 6 \cdot 10 - y \\ & (y = 5) \\ & = 55 \end{aligned}$$

$$\begin{aligned} 8. \quad & 7 - z + z \\ & (z = 4) \\ & = 7 \end{aligned}$$

$$\begin{aligned} 13. \quad & u \div (4u) \\ & (u = 3) \\ & = \frac{1}{4} \end{aligned}$$

$$\begin{aligned} 4. \quad & 8 + v - v \\ & (v = 5) \\ & = 8 \end{aligned}$$

$$\begin{aligned} 9. \quad & (2 - b)^2 \\ & (b = 1) \\ & = 1 \end{aligned}$$

$$\begin{aligned} 14. \quad & 2 - (y - y) \\ & (y = 8) \\ & = 2 \end{aligned}$$

$$\begin{aligned} 5. \quad & b \div (4 \div 4) \\ & (b = 10) \\ & = 10 \end{aligned}$$

$$\begin{aligned} 10. \quad & 2x - 9 \\ & (x = 9) \\ & = 9 \end{aligned}$$

$$\begin{aligned} 15. \quad & 10 + 8 \div u \\ & (u = 7) \\ & = \frac{78}{7} \end{aligned}$$

Evaluating Expressions (H)

Evaluate each expression using the value given.

1. $a \div 4 + 2$
($a = 4$)

6. $9c \cdot 2$
($c = 1$)

11. $3b \div 5$
($b = 8$)

2. $b - b + b$
($b = 8$)

7. $c + c - c$
($c = 4$)

12. $b \cdot b - b$
($b = 4$)

3. $v^3 \div v$
($v = 8$)

8. $4(x - x)$
($x = 8$)

13. $3 + 4v$
($v = 3$)

4. $a + a - a$
($a = 9$)

9. $3^4 \div c$
($c = 7$)

14. $4a \div 7$
($a = 9$)

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

10. $u + 5u$
($u = 6$)

15. $b - b \div 3$
($b = 2$)

Evaluating Expressions (H) Answers

Evaluate each expression using the value given.

$$\begin{aligned} 1. & a \div 4 + 2 \\ & (a = 4) \\ & = 3 \end{aligned}$$

$$\begin{aligned} 6. & 9c \cdot 2 \\ & (c = 1) \\ & = 18 \end{aligned}$$

$$\begin{aligned} 11. & 3b \div 5 \\ & (b = 8) \\ & = \frac{24}{5} \end{aligned}$$

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

$$\begin{aligned} 7. & c + c - c \\ & (c = 4) \\ & = 4 \end{aligned}$$

$$\begin{aligned} 12. & b \cdot b - b \\ & (b = 4) \\ & = 12 \end{aligned}$$

$$\begin{aligned} 3. & v^3 \div v \\ & (v = 8) \\ & = 64 \end{aligned}$$

$$\begin{aligned} 8. & 4(x - x) \\ & (x = 8) \\ & = 0 \end{aligned}$$

$$\begin{aligned} 13. & 3 + 4v \\ & (v = 3) \\ & = 15 \end{aligned}$$

$$\begin{aligned} 4. & a + a - a \\ & (a = 9) \\ & = 9 \end{aligned}$$

$$\begin{aligned} 9. & 3^4 \div c \\ & (c = 7) \\ & = \frac{81}{7} \end{aligned}$$

$$\begin{aligned} 14. & 4a \div 7 \\ & (a = 9) \\ & = \frac{36}{7} \end{aligned}$$

$$\begin{aligned} 5. & (c \cdot c)^2 \\ & (c = 2) \\ & = 16 \end{aligned}$$

$$\begin{aligned} 10. & u + 5u \\ & (u = 6) \\ & = 36 \end{aligned}$$

$$\begin{aligned} 15. & b - b \div 3 \\ & (b = 2) \\ & = \frac{4}{3} \end{aligned}$$

Evaluating Expressions (I)

Evaluate each expression using the value given.

1. $v \cdot v - 9$
($v = 6$)

6. $3 + a - 9$
($a = 9$)

11. $(8 + 4) \cdot u$
($u = 6$)

2. $(u - u) \cdot u$
($u = 3$)

7. $y(2 - y)$
($y = 1$)

12. $v + v \div v$
($v = 7$)

3. $9 - (v + 2)$
($v = 7$)

8. $b \div (b - 1)$
($b = 7$)

13. $9a \div a$
($a = 4$)

4. $6 + 10 + u$
($u = 8$)

9. $8 \div x + x$
($x = 7$)

14. $1 \div y + 3$
($y = 4$)

5. $(2a)^2$
($a = 5$)

10. $x \cdot 1 \div x$
($x = 9$)

15. $v \cdot 2v$
($v = 7$)

Evaluating Expressions (I) Answers

Evaluate each expression using the value given.

$$\begin{aligned} 1. & v \cdot v - 9 \\ & (v = 6) \\ & = 27 \end{aligned}$$

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

$$\begin{aligned} 11. & (8 + 4) \cdot u \\ & (u = 6) \\ & = 72 \end{aligned}$$

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

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

$$\begin{aligned} 12. & v + v \div v \\ & (v = 7) \\ & = 8 \end{aligned}$$

$$\begin{aligned} 3. & 9 - (v + 2) \\ & (v = 7) \\ & = 0 \end{aligned}$$

$$\begin{aligned} 8. & b \div (b - 1) \\ & (b = 7) \\ & = \frac{7}{6} \end{aligned}$$

$$\begin{aligned} 13. & 9a \div a \\ & (a = 4) \\ & = 9 \end{aligned}$$

$$\begin{aligned} 4. & 6 + 10 + u \\ & (u = 8) \\ & = 24 \end{aligned}$$

$$\begin{aligned} 9. & 8 \div x + x \\ & (x = 7) \\ & = \frac{57}{7} \end{aligned}$$

$$\begin{aligned} 14. & 1 \div y + 3 \\ & (y = 4) \\ & = \frac{13}{4} \end{aligned}$$

$$\begin{aligned} 5. & (2a)^2 \\ & (a = 5) \\ & = 100 \end{aligned}$$

$$\begin{aligned} 10. & x \cdot 1 \div x \\ & (x = 9) \\ & = 1 \end{aligned}$$

$$\begin{aligned} 15. & v \cdot 2v \\ & (v = 7) \\ & = 98 \end{aligned}$$

Evaluating Expressions (J)

Evaluate each expression using the value given.

1. $z \div (z - 2)$
($z = 9$)

6. $(1 + c)^3$
($c = 2$)

11. $5u + u$
($u = 1$)

2. $x \cdot 9 \div x$
($x = 5$)

7. $9 \cdot c \div c$
($c = 10$)

12. $7 + 10 + y$
($y = 4$)

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

8. $(10 + u) \cdot 7$
($u = 3$)

13. $b - 8 \div 7$
($b = 6$)

4. $9 \cdot 3 \div z$
($z = 3$)

9. $(5 + a) \div 3$
($a = 7$)

14. $8 \cdot 5 \div z$
($z = 2$)

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

10. $v(8 - v)$
($v = 3$)

15. $z \div z \div z$
($z = 9$)

Evaluating Expressions (J) Answers

Evaluate each expression using the value given.

$$\begin{aligned} 1. z \div (z - 2) \\ (z = 9) \\ = \frac{9}{7} \end{aligned}$$

$$\begin{aligned} 6. (1 + c)^3 \\ (c = 2) \\ = 27 \end{aligned}$$

$$\begin{aligned} 11. 5u + u \\ (u = 1) \\ = 6 \end{aligned}$$

$$\begin{aligned} 2. x \cdot 9 \div x \\ (x = 5) \\ = 9 \end{aligned}$$

$$\begin{aligned} 7. 9 \cdot c \div c \\ (c = 10) \\ = 9 \end{aligned}$$

$$\begin{aligned} 12. 7 + 10 + y \\ (y = 4) \\ = 21 \end{aligned}$$

$$\begin{aligned} 3. c - 4 \div 7 \\ (c = 6) \\ = \frac{38}{7} \end{aligned}$$

$$\begin{aligned} 8. (10 + u) \cdot 7 \\ (u = 3) \\ = 91 \end{aligned}$$

$$\begin{aligned} 13. b - 8 \div 7 \\ (b = 6) \\ = \frac{34}{7} \end{aligned}$$

$$\begin{aligned} 4. 9 \cdot 3 \div z \\ (z = 3) \\ = 9 \end{aligned}$$

$$\begin{aligned} 9. (5 + a) \div 3 \\ (a = 7) \\ = 4 \end{aligned}$$

$$\begin{aligned} 14. 8 \cdot 5 \div z \\ (z = 2) \\ = 20 \end{aligned}$$

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

$$\begin{aligned} 10. v(8 - v) \\ (v = 3) \\ = 15 \end{aligned}$$

$$\begin{aligned} 15. z \div z \div z \\ (z = 9) \\ = \frac{1}{9} \end{aligned}$$