

## Order of Operations (A)

Perform the operations in the correct order.

1.  $\frac{9}{5} \div 4 \div (-3)$

6.  $\frac{5}{3} \times 3 \times (-8)$

2.  $12 \times \left(-\frac{3}{2}\right)^2$

7.  $\frac{1}{2} + \frac{7^2}{4}$

3.  $11 + (-3) \times 3$

8.  $(8 \div (-2))^2$

4.  $1 \times \frac{1}{2} - \frac{7}{5}$

9.  $\frac{7}{4} - \left(\frac{11}{2} - \frac{8}{3}\right)$

5.  $(-9 + 5) \times \left(-\frac{8}{5}\right)$

10.  $\frac{9^2}{5} - 2$

## Order of Operations (A) Answers

Perform the operations in the correct order.

$$\begin{aligned} 1. \quad & \frac{9}{5} \div 4 \div (-3) \\ & = -\frac{3}{20} \end{aligned}$$

$$\begin{aligned} 6. \quad & \frac{5}{3} \times 3 \times (-8) \\ & = -40 \end{aligned}$$

$$\begin{aligned} 2. \quad & 12 \times \left(-\frac{3}{2}\right)^2 \\ & = 27 \end{aligned}$$

$$\begin{aligned} 7. \quad & \frac{1}{2} + \frac{7^2}{4} \\ & = \frac{57}{16} \end{aligned}$$

$$\begin{aligned} 3. \quad & 11 + (-3) \times 3 \\ & = 2 \end{aligned}$$

$$\begin{aligned} 8. \quad & (8 \div (-2))^2 \\ & = 16 \end{aligned}$$

$$\begin{aligned} 4. \quad & 1 \times \frac{1}{2} - \frac{7}{5} \\ & = -\frac{9}{10} \end{aligned}$$

$$\begin{aligned} 9. \quad & \frac{7}{4} - \left(\frac{11}{2} - \frac{8}{3}\right) \\ & = -\frac{13}{12} \end{aligned}$$

$$\begin{aligned} 5. \quad & (-9 + 5) \times \left(-\frac{8}{5}\right) \\ & = \frac{32}{5} \end{aligned}$$

$$\begin{aligned} 10. \quad & \frac{9^2}{5} - 2 \\ & = \frac{31}{5} \end{aligned}$$

## Order of Operations (B)

Perform the operations in the correct order.

1.  $2 - \left(\frac{3}{5} - \left(-\frac{5}{6}\right)\right)$

6.  $-\frac{5}{2} + \frac{3}{4} \div \frac{1}{6}$

2.  $\frac{3}{5} - \left(-\frac{6}{5} + \left(-\frac{3}{2}\right)\right)$

7.  $\left(-\frac{5}{3}\right) \div \left(\frac{5}{4} \div \frac{1}{4}\right)$

3.  $\frac{7}{5}^{(-3) \div \left(-\frac{3}{2}\right)}$

8.  $\frac{8}{5} \div (-2) - 1$

4.  $\frac{1}{2}^{-3 - (-6)}$

9.  $(-1)^{(-8)^2}$

5.  $\frac{11}{5} - \left(\frac{12}{5} - \frac{7}{4}\right)$

10.  $7 + \left(-\frac{1}{2}\right) + \frac{4}{5}$

## Order of Operations (B) Answers

Perform the operations in the correct order.

$$\begin{aligned} 1. \quad & 2 - \left(\frac{3}{5} - \left(-\frac{5}{6}\right)\right) \\ & = \frac{17}{30} \end{aligned}$$

$$\begin{aligned} 6. \quad & -\frac{5}{2} + \frac{3}{4} \div \frac{1}{6} \\ & = 2 \end{aligned}$$

$$\begin{aligned} 2. \quad & \frac{3}{5} - \left(-\frac{6}{5} + \left(-\frac{3}{2}\right)\right) \\ & = \frac{33}{10} \end{aligned}$$

$$\begin{aligned} 7. \quad & \left(-\frac{5}{3}\right) \div \left(\frac{5}{4} \div \frac{1}{4}\right) \\ & = -\frac{1}{3} \end{aligned}$$

$$\begin{aligned} 3. \quad & \frac{7}{5}^{(-3) \div \left(-\frac{3}{2}\right)} \\ & = \frac{49}{25} \end{aligned}$$

$$\begin{aligned} 8. \quad & \frac{8}{5} \div (-2) - 1 \\ & = -\frac{9}{5} \end{aligned}$$

$$\begin{aligned} 4. \quad & \frac{1}{2}^{-3 - (-6)} \\ & = \frac{1}{8} \end{aligned}$$

$$\begin{aligned} 9. \quad & (-1)^{(-8)^2} \\ & = 1 \end{aligned}$$

$$\begin{aligned} 5. \quad & \frac{11}{5} - \left(\frac{12}{5} - \frac{7}{4}\right) \\ & = \frac{31}{20} \end{aligned}$$

$$\begin{aligned} 10. \quad & 7 + \left(-\frac{1}{2}\right) + \frac{4}{5} \\ & = \frac{73}{10} \end{aligned}$$

## Order of Operations (C)

Perform the operations in the correct order.

1.  $\frac{3}{5}^{2^1}$

6.  $\left(-\frac{1}{2}\right)^{3+1}$

2.  $\left(\frac{7}{3} + \frac{7}{4}\right) \times 1$

7.  $(-2)^{(-2)^2}$

3.  $-\frac{2}{3} - \frac{2}{3} - \frac{1}{2}$

8.  $-12 - (-3 + (-\frac{5}{2}))$

4.  $-\frac{2}{3} - 7 \div 1$

9.  $\left(-\frac{8}{5}\right) \times \left(-\frac{5}{3} + 1\right)$

5.  $\frac{11}{6} \times \frac{3}{4} + 5$

10.  $(-2 - 7) \div \left(-\frac{2}{5}\right)$

## Order of Operations (C) Answers

Perform the operations in the correct order.

$$1. \frac{3^{2^1}}{5} \\ = \frac{9}{25}$$

$$6. \left(-\frac{1}{2}\right)^{3+1} \\ = \frac{1}{16}$$

$$2. \left(\frac{7}{3} + \frac{7}{4}\right) \times 1 \\ = \frac{49}{12}$$

$$7. (-2)^{(-2)^2} \\ = 16$$

$$3. -\frac{2}{3} - \frac{2}{3} - \frac{1}{2} \\ = -\frac{11}{6}$$

$$8. -12 - \left(-3 + \left(-\frac{5}{2}\right)\right) \\ = -\frac{13}{2}$$

$$4. -\frac{2}{3} - 7 \div 1 \\ = -\frac{23}{3}$$

$$9. \left(-\frac{8}{5}\right) \times \left(-\frac{5}{3} + 1\right) \\ = \frac{16}{15}$$

$$5. \frac{11}{6} \times \frac{3}{4} + 5 \\ = \frac{51}{8}$$

$$10. (-2 - 7) \div \left(-\frac{2}{5}\right) \\ = \frac{45}{2}$$

## Order of Operations (D)

Perform the operations in the correct order.

1.  $\left(\frac{2}{5} \div \frac{3}{5}\right)^3$

6.  $6 + 7 + 2$

2.  $((-1) \times 2)^2$

7.  $(-5) \div \left(-\frac{5}{2} - 3\right)$

3.  $\left(3 \times \left(-\frac{1}{4}\right)\right)^2$

8.  $-4 - 6 - 3$

4.  $3 \div \left(\frac{5}{6} \div 4\right)$

9.  $11 \times \left(-\frac{4}{3} + 2\right)$

5.  $\left(-2 + \left(-\frac{9}{5}\right)\right) \times \frac{1}{2}$

10.  $-\frac{1}{2} - \frac{2}{3} - 2$

## Order of Operations (D) Answers

Perform the operations in the correct order.

$$1. \left(\frac{2}{5} \div \frac{3}{5}\right)^3 \\ = \frac{8}{27}$$

$$6. 6 + 7 + 2 \\ = 15$$

$$2. ((-1) \times 2)^2 \\ = 4$$

$$7. (-5) \div \left(-\frac{5}{2} - 3\right) \\ = \frac{10}{11}$$

$$3. \left(3 \times \left(-\frac{1}{4}\right)\right)^2 \\ = \frac{9}{16}$$

$$8. -4 - 6 - 3 \\ = -13$$

$$4. 3 \div \left(\frac{5}{6} \div 4\right) \\ = \frac{72}{5}$$

$$9. 11 \times \left(-\frac{4}{3} + 2\right) \\ = \frac{22}{3}$$

$$5. \left(-2 + \left(-\frac{9}{5}\right)\right) \times \frac{1}{2} \\ = -\frac{19}{10}$$

$$10. -\frac{1}{2} - \frac{2}{3} - 2 \\ = -\frac{19}{6}$$



## Order of Operations (E)

Perform the operations in the correct order.

1.  $(-2)^6 + (-1)$

6.  $(-3) \times \left(-\frac{10}{3} - \left(-\frac{3}{2}\right)\right)$

2.  $9 \div \frac{12}{5} \div \left(-\frac{9}{4}\right)$

7.  $\left(-\frac{5}{4}\right) \div \left(-\frac{2}{3}\right)^2$

3.  $\left(-\frac{6}{5}\right) \times \left(-\frac{11}{6} + \left(-\frac{1}{2}\right)\right)$

8.  $-\frac{4}{3} - (-1) + \frac{7}{5}$

4.  $(-1 + 6) \div \frac{8}{5}$

9.  $2^3 - \frac{11}{6}$

5.  $\left(\frac{2}{3} + \left(-\frac{7}{2}\right)\right) \times \frac{2}{3}$

10.  $4 \div \left(\left(-\frac{3}{2}\right) \div \frac{9}{2}\right)$

## Order of Operations (E) Answers

Perform the operations in the correct order.

$$1. (-2)^6 + (-1) \\ = 63$$

$$6. (-3) \times \left(-\frac{10}{3} - \left(-\frac{3}{2}\right)\right) \\ = \frac{11}{2}$$

$$2. 9 \div \frac{12}{5} \div \left(-\frac{9}{4}\right) \\ = -\frac{5}{3}$$

$$7. \left(-\frac{5}{4}\right) \div \left(-\frac{2}{3}\right)^2 \\ = -\frac{45}{16}$$

$$3. \left(-\frac{6}{5}\right) \times \left(-\frac{11}{6} + \left(-\frac{1}{2}\right)\right) \\ = \frac{14}{5}$$

$$8. -\frac{4}{3} - (-1) + \frac{7}{5} \\ = \frac{16}{15}$$

$$4. (-1 + 6) \div \frac{8}{5} \\ = \frac{25}{8}$$

$$9. 2^3 - \frac{11}{6} \\ = \frac{37}{6}$$

$$5. \left(\frac{2}{3} + \left(-\frac{7}{2}\right)\right) \times \frac{2}{3} \\ = -\frac{17}{9}$$

$$10. 4 \div \left(\left(-\frac{3}{2}\right) \div \frac{9}{2}\right) \\ = -12$$

## Order of Operations (F)

Perform the operations in the correct order.

1.  $-\frac{3}{4} + (-4) - 4$

6.  $4^2 + 6$

2.  $5 \times \frac{3}{2} + (-\frac{9}{4})$

7.  $(-1) \div (2 + (-\frac{11}{3}))$

3.  $2^5 + (-\frac{9}{2})$

8.  $(-2)^{2+2}$

4.  $5^{(-3) \times (-\frac{2}{3})}$

9.  $\frac{11}{4} + \frac{2}{5} - (-\frac{1}{5})$

5.  $4^{(-3) \div (-\frac{3}{2})}$

10.  $1 \div (-12 + (-1))$

## Order of Operations (F) Answers

Perform the operations in the correct order.

$$\begin{aligned} 1. & -\frac{3}{4} + (-4) - 4 \\ & = -\frac{35}{4} \end{aligned}$$

$$\begin{aligned} 6. & 4^2 + 6 \\ & = 22 \end{aligned}$$

$$\begin{aligned} 2. & 5 \times \frac{3}{2} + \left(-\frac{9}{4}\right) \\ & = \frac{21}{4} \end{aligned}$$

$$\begin{aligned} 7. & (-1) \div \left(2 + \left(-\frac{11}{3}\right)\right) \\ & = \frac{3}{5} \end{aligned}$$

$$\begin{aligned} 3. & 2^5 + \left(-\frac{9}{2}\right) \\ & = \frac{55}{2} \end{aligned}$$

$$\begin{aligned} 8. & (-2)^{2+2} \\ & = 16 \end{aligned}$$

$$\begin{aligned} 4. & 5^{(-3) \times \left(-\frac{2}{3}\right)} \\ & = 25 \end{aligned}$$

$$\begin{aligned} 9. & \frac{11}{4} + \frac{2}{5} - \left(-\frac{1}{5}\right) \\ & = \frac{67}{20} \end{aligned}$$

$$\begin{aligned} 5. & 4^{(-3) \div \left(-\frac{3}{2}\right)} \\ & = 16 \end{aligned}$$

$$\begin{aligned} 10. & 1 \div (-12 + (-1)) \\ & = -\frac{1}{13} \end{aligned}$$

## Order of Operations (G)

Perform the operations in the correct order.

1.  $((-3) \div 3)^{12}$

6.  $(-2)^{(-\frac{3}{2}) \div (-\frac{1}{2})}$

2.  $(-1)^{(-3) \div (-\frac{3}{4})}$

7.  $(-\frac{9}{2}) \div ((-1) \div 3)$

3.  $2 + (-4) - \frac{1}{4}$

8.  $\frac{1}{3} + 1 + (-\frac{8}{5})$

4.  $(3 - (-\frac{1}{2})) \times (-2)$

9.  $\frac{7}{3} \div (-2) + 1$

5.  $(9 + 1)^2$

10.  $(\frac{2}{3} - (-\frac{4}{3})) \div \frac{12}{5}$

## Order of Operations (G) Answers

Perform the operations in the correct order.

$$1. ((-3) \div 3)^{12} \\ = 1$$

$$6. (-2)^{(-\frac{3}{2}) \div (-\frac{1}{2})} \\ = -8$$

$$2. (-1)^{(-3) \div (-\frac{3}{4})} \\ = 1$$

$$7. (-\frac{9}{2}) \div ((-1) \div 3) \\ = \frac{27}{2}$$

$$3. 2 + (-4) - \frac{1}{4} \\ = -\frac{9}{4}$$

$$8. \frac{1}{3} + 1 + (-\frac{8}{5}) \\ = -\frac{4}{15}$$

$$4. (3 - (-\frac{1}{2})) \times (-2) \\ = -7$$

$$9. \frac{7}{3} \div (-2) + 1 \\ = -\frac{1}{6}$$

$$5. (9 + 1)^2 \\ = 100$$

$$10. (\frac{2}{3} - (-\frac{4}{3})) \div \frac{12}{5} \\ = \frac{5}{6}$$

## Order of Operations (H)

Perform the operations in the correct order.

1.  $(-1 + 2) \div (-3)$

6.  $\frac{10}{3} - (-3) - (-\frac{5}{2})$

2.  $\frac{10}{3} \div (-12) \div \frac{10}{3}$

7.  $(2 + \frac{8}{3}) \div (-1)$

3.  $\frac{1}{2} \div (\frac{1}{2} + (-\frac{5}{6}))$

8.  $(\frac{7}{5} - 10) \div \frac{5}{2}$

4.  $\frac{1}{6} \times (-2 + (-\frac{11}{2}))$

9.  $\frac{1}{2} + 3^2$

5.  $5 \div (-2) \div (-\frac{5}{2})$

10.  $(-\frac{4}{3}) \times \frac{4}{3} + (-\frac{7}{3})$

## Order of Operations (H) Answers

Perform the operations in the correct order.

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

$$\begin{aligned} 6. & \frac{10}{3} - (-3) - \left(-\frac{5}{2}\right) \\ &= \frac{53}{6} \end{aligned}$$

$$\begin{aligned} 2. & \frac{10}{3} \div (-12) \div \frac{10}{3} \\ &= -\frac{1}{12} \end{aligned}$$

$$\begin{aligned} 7. & \left(2 + \frac{8}{3}\right) \div (-1) \\ &= -\frac{14}{3} \end{aligned}$$

$$\begin{aligned} 3. & \frac{1}{2} \div \left(\frac{1}{2} + \left(-\frac{5}{6}\right)\right) \\ &= -\frac{3}{2} \end{aligned}$$

$$\begin{aligned} 8. & \left(\frac{7}{5} - 10\right) \div \frac{5}{2} \\ &= -\frac{86}{25} \end{aligned}$$

$$\begin{aligned} 4. & \frac{1}{6} \times \left(-2 + \left(-\frac{11}{2}\right)\right) \\ &= -\frac{5}{4} \end{aligned}$$

$$\begin{aligned} 9. & \frac{1}{2} + 3^2 \\ &= \frac{19}{2} \end{aligned}$$

$$\begin{aligned} 5. & 5 \div (-2) \div \left(-\frac{5}{2}\right) \\ &= 1 \end{aligned}$$

$$\begin{aligned} 10. & \left(-\frac{4}{3}\right) \times \frac{4}{3} + \left(-\frac{7}{3}\right) \\ &= -\frac{37}{9} \end{aligned}$$



## Order of Operations (I)

Perform the operations in the correct order.

1.  $-1 - (10 + 4)$

6.  $(-4 - 2) \times \frac{2}{3}$

2.  $(-1) \times 1 - (-\frac{4}{3})$

7.  $(1 - \frac{7}{3})^3$

3.  $(-9) \times \frac{5}{6} \times (-\frac{12}{5})$

8.  $-\frac{10}{3} - (1 + 1)$

4.  $(-\frac{5}{4}) \times (7 - 6)$

9.  $(-\frac{1}{6} + \frac{7}{5}) \times (-1)$

5.  $(-\frac{1}{3}) \div ((-3) \times \frac{7}{6})$

10.  $\frac{1^2}{4} \div (-\frac{1}{2})$

## Order of Operations (I) Answers

Perform the operations in the correct order.

$$1. -1 - (10 + 4) \\ = -15$$

$$6. (-4 - 2) \times \frac{2}{3} \\ = -4$$

$$2. (-1) \times 1 - \left(-\frac{4}{3}\right) \\ = \frac{1}{3}$$

$$7. \left(1 - \frac{7}{3}\right)^3 \\ = -\frac{64}{27}$$

$$3. (-9) \times \frac{5}{6} \times \left(-\frac{12}{5}\right) \\ = 18$$

$$8. -\frac{10}{3} - (1 + 1) \\ = -\frac{16}{3}$$

$$4. \left(-\frac{5}{4}\right) \times (7 - 6) \\ = -\frac{5}{4}$$

$$9. \left(-\frac{1}{6} + \frac{7}{5}\right) \times (-1) \\ = -\frac{37}{30}$$

$$5. \left(-\frac{1}{3}\right) \div \left((-3) \times \frac{7}{6}\right) \\ = \frac{2}{21}$$

$$10. \frac{1}{4}^2 \div \left(-\frac{1}{2}\right) \\ = -\frac{1}{8}$$

## Order of Operations (J)

Perform the operations in the correct order.

1.  $(-\frac{1}{6}) \div 1 \div \frac{3}{2}$

6.  $(-3) \div \frac{12}{5} \div \frac{1}{4}$

2.  $(-3)^{-5-(-8)}$

7.  $(2^1)^2$

3.  $(-11) \times 2 \div (-\frac{3}{2})$

8.  $(-\frac{3}{2}) \div (-1) + 10$

4.  $\frac{3}{2} - (-\frac{8}{3} - (-\frac{3}{2}))$

9.  $\frac{2}{3} \div (-2 - (-5))$

5.  $\frac{2}{3} \div (4 - 3)$

10.  $\frac{7}{5} + 2 - \frac{1}{2}$

## Order of Operations (J) Answers

Perform the operations in the correct order.

$$1. \left(-\frac{1}{6}\right) \div 1 \div \frac{3}{2} \\ = -\frac{1}{9}$$

$$6. (-3) \div \frac{12}{5} \div \frac{1}{4} \\ = -5$$

$$2. (-3)^{-5-(-8)} \\ = -27$$

$$7. (2^1)^2 \\ = 4$$

$$3. (-11) \times 2 \div \left(-\frac{3}{2}\right) \\ = \frac{44}{3}$$

$$8. \left(-\frac{3}{2}\right) \div (-1) + 10 \\ = \frac{23}{2}$$

$$4. \frac{3}{2} - \left(-\frac{8}{3} - \left(-\frac{3}{2}\right)\right) \\ = \frac{8}{3}$$

$$9. \frac{2}{3} \div (-2 - (-5)) \\ = \frac{2}{9}$$

$$5. \frac{2}{3} \div (4 - 3) \\ = \frac{2}{3}$$

$$10. \frac{7}{5} + 2 - \frac{1}{2} \\ = \frac{29}{10}$$