

## Order of Operations

Perform the operations in the correct order.

1.  $\frac{3}{2}^{(-3) \times (-1)} \times (-4 - (-\frac{7}{6} - 3)) \div (-\frac{7}{4})$

2.  $\left(1 \times \left(-\frac{1}{2} - 1\right)^4 + (-11)\right) \times \frac{2}{3} \div \frac{1}{2}$

3.  $6 \div \left((3 + (-\frac{7}{2}) - (-1))^3 - (-\frac{1}{2})\right) \div 12$

4.  $(1 + (-8) - (2 - (-1)) \times (-\frac{7}{2})) \div (-\frac{1}{4} - (-1))$

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

## Order of Operations Answers

Perform the operations in the correct order.

$$\begin{aligned} 1. \quad & \frac{3}{2}^{(-3) \times (-1)} \times \left(-4 - \left(-\frac{7}{6} - 3\right)\right) \div \left(-\frac{7}{4}\right) \\ &= -\frac{9}{28} \end{aligned}$$

$$\begin{aligned} 2. \quad & \left(1 \times \left(-\frac{1}{2} - 1\right)^4 + (-11)\right) \times \frac{2}{3} \div \frac{1}{2} \\ &= -\frac{95}{12} \end{aligned}$$

$$\begin{aligned} 3. \quad & 6 \div \left(\left(3 + \left(-\frac{7}{2}\right) - (-1)\right)^3 - \left(-\frac{1}{2}\right)\right) \div 12 \\ &= \frac{4}{5} \end{aligned}$$

$$\begin{aligned} 4. \quad & \left(1 + (-8) - (2 - (-1)) \times \left(-\frac{7}{2}\right)\right) \div \left(-\frac{1}{4} - (-1)\right) \\ &= \frac{14}{3} \end{aligned}$$

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