

Order of Operations (B)

Perform the operations in the correct order.

1. $(-\frac{5}{2}) \times \frac{11}{5} \times (-\frac{2}{5})^2 - 2$

6. $(-1)^2 + (1 - 1)^{10}$

2. $(\frac{9}{2} + \frac{4}{5} + (-2) - \frac{3}{2}) \div \frac{11}{5}$

7. $(-2) \times (-2) + (-3)^{2^2}$

3. $\frac{3}{4} - (-\frac{5}{2} + \frac{7}{2} - (-\frac{2}{3}) \div \frac{3}{4})$

8. $1 - 11 \times 1 \div (-1 - (-\frac{2}{5}))$

4. $1 \times 7 \times (-\frac{5}{3}) - (-\frac{7}{6}) \times (-2)$

9. $\frac{8^2}{5} - (1 - (-8) \times \frac{1}{5})$

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

10. $(-\frac{2}{3} + \frac{4}{5}) \times 3 - \frac{7}{2} \div (-\frac{5}{3})$

Order of Operations (B) Answers

Perform the operations in the correct order.

$$\begin{aligned} 1. & \left(-\frac{5}{2}\right) \times \frac{11}{5} \times \left(-\frac{2}{5}\right)^2 - 2 \\ & = -\frac{72}{25} \end{aligned}$$

$$\begin{aligned} 6. & (-1)^2 + (1-1)^{10} \\ & = 1 \end{aligned}$$

$$\begin{aligned} 2. & \left(\frac{9}{2} + \frac{4}{5} + (-2) - \frac{3}{2}\right) \div \frac{11}{5} \\ & = \frac{9}{11} \end{aligned}$$

$$\begin{aligned} 7. & (-2) \times (-2) + (-3)^{2^2} \\ & = 85 \end{aligned}$$

$$\begin{aligned} 3. & \frac{3}{4} - \left(-\frac{5}{2} + \frac{7}{2} - \left(-\frac{2}{3}\right) \div \frac{3}{4}\right) \\ & = -\frac{41}{36} \end{aligned}$$

$$\begin{aligned} 8. & 1 - 11 \times 1 \div \left(-1 - \left(-\frac{2}{5}\right)\right) \\ & = \frac{58}{3} \end{aligned}$$

$$\begin{aligned} 4. & 1 \times 7 \times \left(-\frac{5}{3}\right) - \left(-\frac{7}{6}\right) \times (-2) \\ & = -14 \end{aligned}$$

$$\begin{aligned} 9. & \frac{8^2}{5} - \left(1 - (-8) \times \frac{1}{5}\right) \\ & = -\frac{1}{25} \end{aligned}$$

$$\begin{aligned} 5. & \left(\frac{5}{4} - \left(1 - \left(-\frac{5}{4}\right)\right)\right) \times \left(\frac{8}{3} + (-3)\right) \\ & = \frac{1}{3} \end{aligned}$$

$$\begin{aligned} 10. & \left(-\frac{2}{3} + \frac{4}{5}\right) \times 3 - \frac{7}{2} \div \left(-\frac{5}{3}\right) \\ & = \frac{5}{2} \end{aligned}$$