Order of Operations (B)

Perform the operations in the correct order.

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

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

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

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

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

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

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

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

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

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

Order of Operations (B) Answers

Perform the operations in the correct order.

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

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

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

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

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

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

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

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

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

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