Order of Operations

Perform the operations in the correct order.

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

2. $3 \div \frac{4}{3} \times (8+3+7)$

3. $(5-4) \times \frac{9}{5} - \frac{2}{3} - 1$

4. $\frac{3}{2} \times 5 \times \frac{1}{2} \div 2^2$

5. $\frac{7}{4}^{2 \times 1^{6 \div 2}}$

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

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

8. $\left(8 - \left(\frac{1}{3} + 5\right)\right)^{4-2}$

9. $(2+2) \div (1+12+3)$

10. $3 - \frac{5}{2} + 2 \div \frac{12}{5} + 1$

Order of Operations Answers

Perform the operations in the correct order.

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

2. $3 \div \frac{4}{3} \times (8+3+7)$
$= \frac{81}{2}$

3. $(5-4) \times \frac{9}{5} - \frac{2}{3} - 1$
$= \frac{2}{15}$

4. $\frac{3}{2} \times 5 \times \frac{1}{2} \div 2^2$
$= \frac{15}{16}$

5. $\frac{7}{4}^{2 \times 1^{6 \div 2}}$
$= \frac{49}{16}$

6. $\left(\frac{5}{3} + \frac{1}{5}\right) \times \frac{5}{2} \times \left(\frac{5}{3} - \frac{5}{4}\right)$
$= \frac{35}{18}$

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

8. $\left(8 - \left(\frac{1}{3} + 5\right)\right)^{4-2}$
$= \frac{64}{9}$

9. $(2+2) \div (1+12+3)$
$= \frac{1}{4}$

10. $3 - \frac{5}{2} + 2 \div \frac{12}{5} + 1$
$= \frac{7}{3}$