

Order of Operations

Fractions

Follow PEMDAS to simplify

$$1 \quad \left(\frac{2}{9} \div \frac{1}{3} + \frac{1}{2}\right) \times \frac{2}{5} - \frac{1}{5}$$

$$2 \quad \frac{2}{5} \div \left[\left(\frac{1}{5} - \frac{1}{9} + \frac{4}{9}\right) \times \frac{1}{2}\right]$$

$$3 \quad \frac{1}{2} - \frac{1}{4} + \frac{3}{8} \times \frac{1}{5} - \frac{1}{8}$$

$$4 \quad \left(\frac{1}{5} - \frac{1}{8}\right) \times \left(\frac{1}{9} + \frac{1}{6}\right) \div \frac{1}{3}$$

$$5 \quad \left(\frac{2}{3} + \frac{7}{9}\right) \times \left(\frac{7}{8} - \frac{1}{4}\right) \div \frac{1}{2}$$

$$6 \quad \left(\frac{1}{2} \times \frac{3}{8} - \frac{1}{8}\right) \div \frac{3}{4} + \frac{5}{8}$$

$$7 \quad \frac{1}{2} \times \left(\frac{7}{9} \div \frac{1}{6} - \frac{5}{6} + \frac{3}{4}\right)$$

$$8 \quad \left(\frac{3}{8} \times \frac{2}{3}\right) \div \frac{2}{5} + \frac{1}{2} - \frac{3}{4}$$

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Answers

$$1 \quad \left(\frac{2}{9} \div \frac{1}{3} + \frac{1}{2}\right) \times \frac{2}{5} - \frac{1}{5}$$

$$\frac{4}{15}$$

$$2 \quad \frac{2}{5} \div \left[\left(\frac{1}{5} - \frac{1}{9} + \frac{4}{9}\right) \times \frac{1}{2}\right]$$

$$\frac{3}{8}$$

$$3 \quad \frac{1}{2} - \frac{1}{4} + \frac{3}{8} \times \frac{1}{5} - \frac{1}{8}$$

$$4 \quad \left(\frac{1}{5} - \frac{1}{8}\right) \times \left(\frac{1}{9} + \frac{1}{6}\right) \div \frac{1}{3}$$

$$\frac{1}{5}$$

$$\frac{1}{16}$$

$$5 \quad \left(\frac{2}{3} + \frac{7}{9}\right) \times \left(\frac{7}{8} - \frac{1}{4}\right) \div \frac{1}{2}$$

$$6 \quad \left(\frac{1}{2} \times \frac{3}{8} - \frac{1}{8}\right) \div \frac{3}{4} + \frac{5}{8}$$

$$1\frac{29}{36}$$

$$\frac{17}{24}$$

$$7 \quad \frac{1}{2} \times \left(\frac{7}{9} \div \frac{1}{6} - \frac{5}{6} + \frac{3}{4}\right)$$

$$8 \quad \left(\frac{3}{8} \times \frac{2}{3}\right) \div \frac{2}{5} + \frac{1}{2} - \frac{3}{4}$$

$$2\frac{7}{24}$$

$$\frac{3}{8}$$