

1. The basics.

(a) $\frac{7}{20} + \frac{9}{5} - \frac{7}{2}$

(b) $2\left(\frac{1}{4} + \frac{3}{8}\right)$

(c) $4\left(\frac{5}{12} + \frac{3}{8} + \frac{1}{3}\right)$

(d) $\frac{1}{3} \times \frac{9}{10}$

(e) $\frac{2}{3} \times \frac{4}{5} \times \frac{3}{8}$

(f) $\frac{1}{3} \div \frac{2}{9}$

(g) $\frac{1}{3} \div \frac{5}{6}$

(h) $3\left(\frac{5}{6} \times \frac{2}{3}\right)$

(i) $\frac{5}{8} \times \frac{2}{15}$

(j) $\frac{2}{3} \times \frac{9}{10} \times \frac{5}{8}$

(k) $\frac{3}{4} \times \frac{2}{5} \times \frac{7}{12}$

(l) $\frac{2}{5} \div \frac{3}{10}$

(m) $\left(\frac{1}{3} \times \frac{5}{8}\right) \div \frac{5}{6}$

(n) $3\left(\frac{2}{9} \div \frac{3}{2}\right) + \frac{2}{5}$

2. Combining operations.

(a) $\left(\frac{1}{2}\right)\left(\frac{3}{5} + \frac{1}{3}\right)$

(b) $\left(\frac{1}{2}\right)\left(\frac{3}{5}\right) + \frac{2}{3}$

(c) $\left(\frac{1}{4} \div \frac{3}{5}\right)\left(\frac{4}{3}\right)$

(d) $\left(\frac{1}{2} \div \frac{3}{2}\right) - \frac{5}{8}$

(e) $\left(\frac{1}{5}\right)\left(\frac{3}{8}\right) - \left(\frac{3}{10}\right)\left(\frac{3}{2}\right)$

(f) $\left(\frac{3}{4} - \frac{3}{8}\right) \div \frac{5}{12}$

(g) $\left(\frac{5}{8} + \frac{1}{4} - \frac{7}{12}\right) \div \left(\frac{2}{3} + \frac{1}{2}\right)$

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

3. Rewrite each equation so that there are no fractions.

(a) $\frac{2}{3}x + \frac{3}{5}y = 2$

(b) $\frac{1}{4}x + \frac{2}{3}y = \frac{1}{6}$

(c) $\frac{4}{5}x + \frac{1}{2}y = 2$

(d) $x - 3y = -\frac{5}{6}$