

Fractions and Proportional Reasoning

1. Calculate. Write all answers in lowest terms

a) $\frac{5}{7} \left(2\frac{1}{4} \right)$

b) $\frac{4}{3} \div \left(\frac{5}{2} \right)$

c) $\frac{3}{8} \div 2\frac{5}{2}$

d) $1\frac{1}{3} + 2\frac{3}{4}$

e) $-1\frac{1}{2} - 3\frac{1}{8}$

f) $\frac{2}{3} - \frac{1}{-4}$

2. Solve for the unknown value.

a) $\frac{x}{4} = \frac{18}{40}$

b) $25:y = 36:54$

c) $\frac{a}{18} = \frac{4}{24} = \frac{b}{60}$