

# Dividing fractions

Ex 1:  $2\frac{3}{4} \div 1\frac{1}{2}$

$$2\frac{3}{4} \rightarrow \frac{4 \cdot 2 + 3}{4}$$

$$1\frac{1}{2} \rightarrow \frac{2 \cdot 1 + 1}{2}$$

$$\frac{11}{4} \div \frac{3}{2}$$

$$\frac{11}{4} \cdot \frac{2^1}{3}$$

x by the reciprocal

$$\frac{11}{6} = \boxed{\frac{15}{6}}$$

Ex 2:  $\frac{4}{11} \div \frac{2}{7}$

$$1\frac{2}{7} \rightarrow \frac{7 \cdot 1 + 2}{7}$$

$$\frac{4}{11} \div \frac{9}{7}$$

$$\frac{4}{11} \cdot \frac{7}{9}$$

x by the reciprocal

$$\boxed{\frac{28}{99}}$$