

FOUNDATION TIER Module 14
Fractions

$$\frac{6}{9} = \frac{2}{3}$$

Red arrows indicate dividing both numerator and denominator by 3.

$$2\frac{1}{3} = \frac{2 \times 3 + 1}{3} = \frac{7}{3}$$

$$\frac{50}{60} = \frac{5}{6}$$

Red arrows indicate multiplying both numerator and denominator by 10.

Find the key words in a worded problem to see what operation to use

Find a common denominator

ADD and
SUBTRACT

$$\frac{5}{7} + \frac{2}{3} = \frac{3 \times 5 + 7 \times 2}{7 \times 3} = \frac{29}{21}$$

Red and blue lines cross out the original denominators and numerators.

$$\frac{3}{7} \times \frac{5}{8} \quad \begin{array}{l} \text{times the tops} \\ \text{times the bottoms} \end{array} \quad \frac{3 \times 5}{7 \times 8} = \frac{15}{56} \quad \underline{\text{TIMES}}$$

DIVIDE

$$\frac{2}{3} \div \frac{4}{5}$$

K eep the first fraction
F lip the second fraction
C hange the sign to x

$$\frac{2}{3} \times \frac{5}{4} = \frac{10}{12}$$

Key Vocabulary: Numerator, Denominator, Divide, Equivalent, Simplify, Operation, Manipulation, Multiple, Improper, Mixed number

Key Websites:

- www.mymaths.co.uk login is torpoint, see teacher for password
- www.mrbartonmaths.com
- www.corbettmaths.com
- www.justmaths.co.uk
- www.missbsresources.com
- www.onmaths.com
- www.mathsgenie.co.uk
- www.nrich.maths.org