Torpoint Community College Mathematics

HIGHER TIER Module 14
Fractions

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

$$\frac{50}{60} \overset{\times 10}{=} \frac{5}{6}$$

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

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

Find a common denominator

ADD and SUBTRACT

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

$\frac{3}{7} \times \frac{5}{8}$ **times the tops, times the bottoms** $\frac{3 \times 5}{7 \times 8} = \frac{15}{56}$ **TIMES**

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

Keep the first fraction
Flip the second fraction
Change 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