Year 5/6 - Fractions (2)

Adding mixed numbers

$$2\frac{3}{4} + 1\frac{4}{5} = 2\frac{15}{20} + 1\frac{16}{20}$$

$$= 3\frac{31}{20} = 4\frac{11}{20}$$

Multiplying mixed number

Remember to multiply the **integer** and the **fraction**.

$$4\frac{5}{7} \times 3 = 4 \times 3 + \frac{5}{7} \times 3$$

$$4\frac{5}{7} \times 3 = 12 + \frac{15}{7}$$

$$4\frac{5}{7} \times 3 = 12 + 2\frac{1}{7}$$

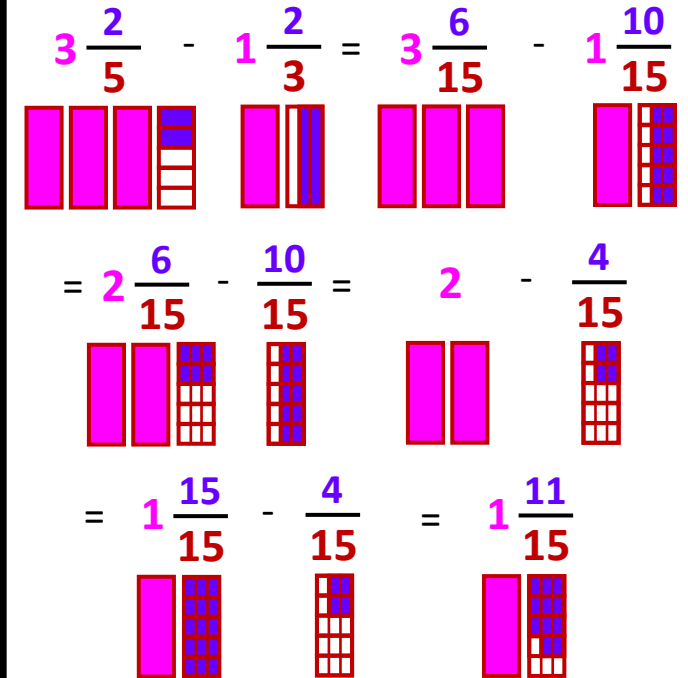$$4\frac{5}{7} \times 3 = 14\frac{1}{7}$$
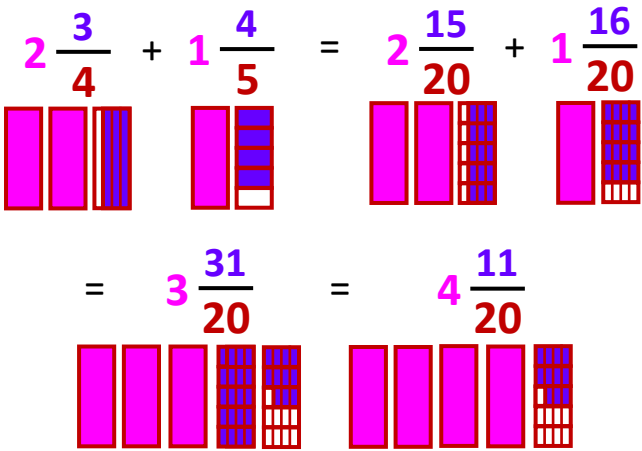
Adding three fractions

Convert them all into like fractions

$$\frac{1}{3} + \frac{3}{5} + \frac{1}{2}$$

$$\frac{10}{30} + \frac{18}{30} + \frac{15}{30} = \frac{43}{30} = 1\frac{13}{30}$$
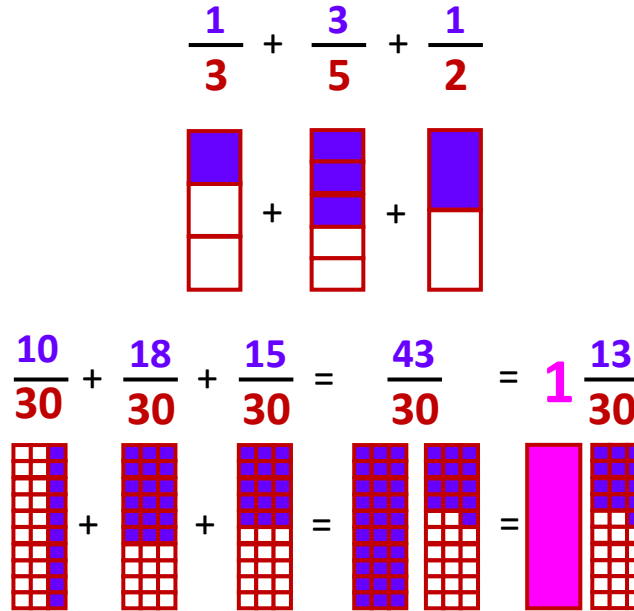
Subtracting mixed numbers

$$3\frac{2}{5} - 1\frac{2}{3} = 3\frac{6}{15} - 1\frac{10}{15}$$

$$= 2\frac{6}{15} - \frac{10}{15} = 2 - \frac{4}{15}$$

$$= 1\frac{15}{15} - \frac{4}{15} = 1\frac{11}{15}$$
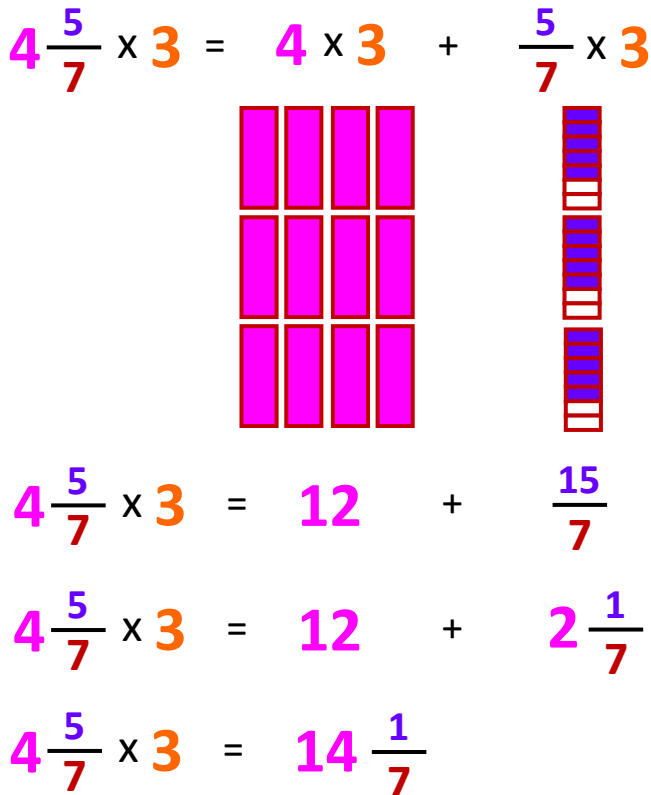
Finding Wholes

Sam spent **two thirds** of his money. If he'd spent **£60**, how much did he **start** off with?

If **two thirds** = **£60**, then **one third** = **£30**.

If **one third** = **£30**, then **three thirds** (or **the whole**) = **£90**

£60   **£30**

?   **?**   **£90**