Eleven Plus Maths How To Do – The Four Rules – Addition

Addition

(a) $\frac{2}{5} + \frac{3}{10}$ We cannot add tenths and fifths. The fractions must be changed to the same type of fraction. This means that they must have the same denominator.

The lowest common denominator or L.C.M. is needed. A glance tells you that it is 10.
Now change $\frac{2}{5}$ to a fraction with a denominator of 10.

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

The sum now needs $\frac{2}{5} + \frac{3}{10}$

$$= \frac{4}{10} + \frac{3}{10} = \frac{4 + 3}{10}$$

$$= \frac{7}{10}$$

(b) $7\frac{5}{6} + \frac{7}{12} + 2\frac{1}{4}$

$$= 9\frac{5 \times 2}{6 \times 2} + \frac{7}{12} + \frac{1 \times 3}{4 \times 3} \qquad = 9\frac{10 + 7 + 3}{12}$$

$$= 9\frac{10 + 7 + 3}{12}$$

$$= 9\frac{20}{12}$$

$$= 10\frac{8 \div 4}{12 \div 4}$$

$$= 10\frac{2}{3}$$