

- 1 Work out $2\frac{1}{3} + 1\frac{2}{q}$.



Change each number to an improper fraction first:

$$2\frac{1}{3} = \frac{\boxed{}}{3}$$

$$1\frac{2}{q} = \frac{\boxed{}}{q}$$

Find a common denominator: $\frac{\boxed{}}{3} = \frac{\boxed{}}{q}$

Add the fractions: $\frac{\boxed{}}{q} + \frac{\boxed{}}{q} = \frac{\boxed{}}{q}$

$$= \boxed{} \frac{\boxed{}}{q}$$

So, $2\frac{1}{3} + 1\frac{2}{q} = \boxed{} \frac{\boxed{}}{\boxed{}}$

- 2 Convert $2\frac{3}{8}$ to an improper fraction to work out $\frac{1}{2} + 2\frac{3}{8}$.



$$\frac{1}{2} + 2\frac{3}{8} = \boxed{} \frac{\boxed{}}{\boxed{}}$$



3 Work out the following.

a) $2\frac{1}{4} + \frac{5}{8}$



c) $4\frac{2}{5} + 1\frac{3}{20}$



b) $4\frac{7}{10} + 1\frac{1}{2}$



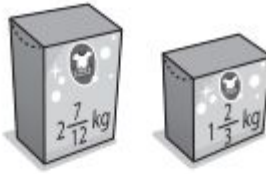
d) $\frac{7}{16} + 4\frac{3}{4}$



4 Washing powder is sold in two sizes.

What is the total weight of the two boxes?





The total weight of the two boxes is kg.

5 Kate is adding $13\frac{2}{5}$ and $4\frac{7}{50}$.

She says, 'I think I will add the wholes and the parts instead of converting to improper fractions.'

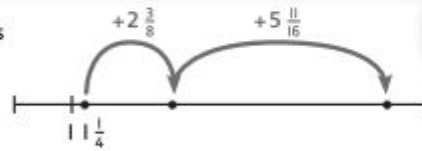
Do you agree with Kate? Explain your answer.

- 6 Find the missing fractions in the working out.



$$\begin{aligned} & \frac{\square}{\square} \frac{\square}{6} + \frac{\square}{\square} \frac{\square}{12} \\ &= \frac{\square}{\square} + \frac{\square}{12} \\ &= \frac{22}{12} + \frac{19}{12} = \frac{\square}{12} = 3 \frac{\square}{12} \end{aligned}$$

- 7 Max is making jumps on a number line.



CHALLENGE

- a) What number has Max finished on?



- b) Max makes one more jump and lands on 12. How long was his jump?

