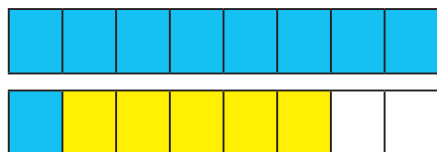


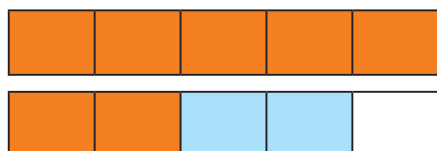
1 Use the bar models to work out the additions.

a)



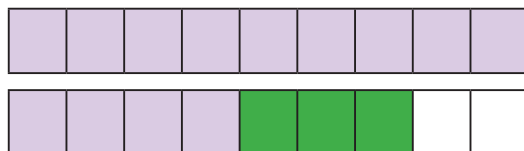
$$1\frac{1}{8} + \frac{5}{8} = \boxed{}$$

b)



$$1\frac{2}{5} + \frac{2}{5} = \boxed{}$$

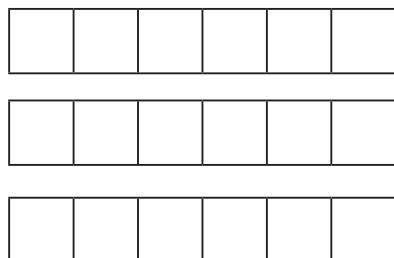
c)



$$1\frac{4}{9} + \frac{3}{9} = \boxed{}$$

What do you notice?

2 Shade the bar model to show that $2\frac{1}{6} + \frac{4}{6} = 2\frac{5}{6}$



3 Shade the bar models to work out the additions.

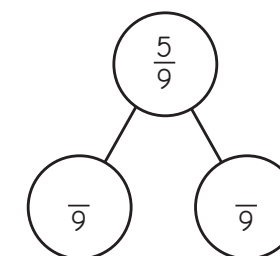
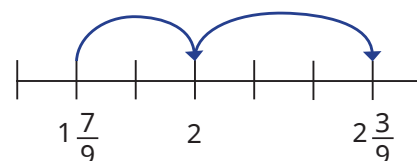
a) $2\frac{3}{8} + \frac{2}{8}$



b) $\frac{3}{5} + 3\frac{1}{5}$



4 Brett is using a number line to work out $1\frac{7}{9} + \frac{5}{9}$

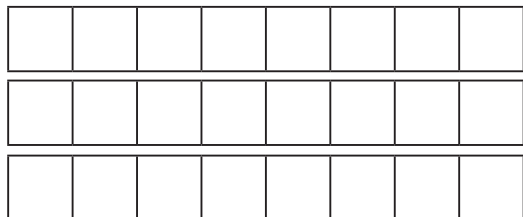


a) Complete the part-whole model to show how Brett has partitioned $\frac{5}{9}$

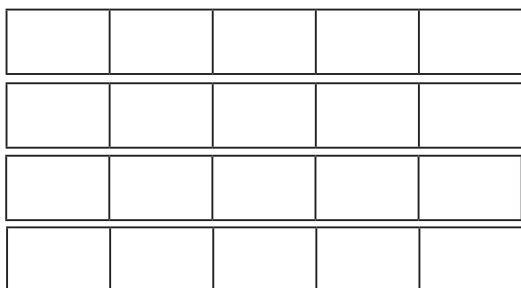
b) Complete the calculation.

- 3 Shade the bar models to work out the additions.

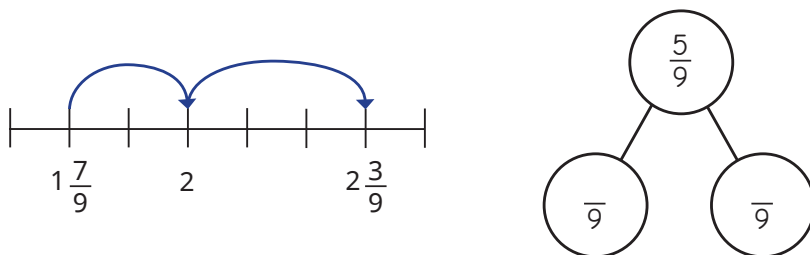
a) $2\frac{3}{8} + \frac{2}{8}$



b) $\frac{3}{5} + 3\frac{1}{5}$



- 4 Brett is using a number line to work out $1\frac{7}{9} + \frac{5}{9}$



- a) Complete the part-whole model to show how Brett has partitioned $\frac{5}{9}$
b) Complete the calculation.

- 5 Work out the additions.

a) $4\frac{3}{6} + \frac{5}{6}$ b) $\frac{6}{7} + 3\frac{4}{7}$ c) $2\frac{5}{8} + \frac{7}{8}$ d) $7\frac{4}{17} + \frac{16}{17}$

- 6 Tiny is working out $5\frac{7}{10} + \frac{6}{10}$



$$\begin{aligned}\frac{7}{10} + \frac{6}{10} &= \frac{13}{10} \\ \frac{13}{10} + 5 &= 5\frac{13}{10} \\ 5\frac{7}{10} + \frac{6}{10} &= 5\frac{13}{10}\end{aligned}$$

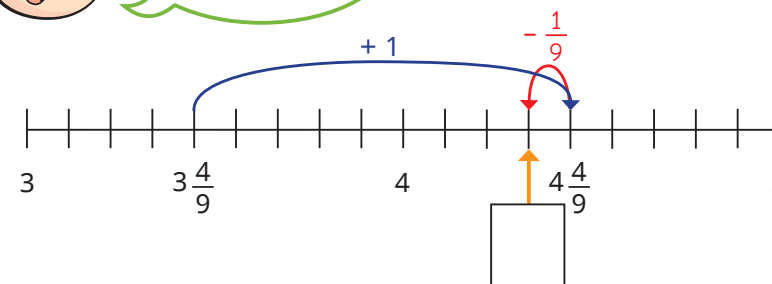
How can Tiny's answer be improved?

- 7 Teddy is using a number line to work out $3\frac{4}{9} + \frac{8}{9}$

- a) Complete Teddy's workings.



$\frac{8}{9}$ is $\frac{1}{9}$ away from 1 whole.



- b) Use Teddy's method to work out the additions.

$2\frac{6}{9} + \frac{8}{9}$

$5\frac{3}{7} + \frac{6}{7}$