Add fractions and mixed numbers



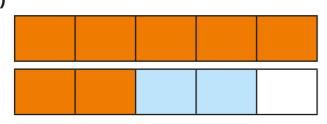


a)



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

b)



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

c)



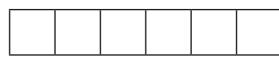
$$1\frac{4}{9} + \frac{3}{9} =$$

What do you notice?



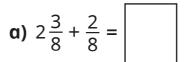
2 Shade the bar model to show that $2\frac{1}{6} + \frac{4}{6} = 2\frac{5}{6}$



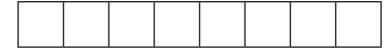


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3 Shade the bar models to work out the additions.









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





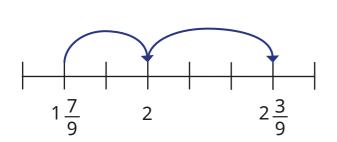


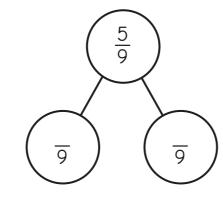






Brett is using a number line to work out $1\frac{7}{9} + \frac{5}{9}$





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

$$1\frac{7}{9} + \frac{5}{9} = 1\frac{7}{9} + \frac{9}{9} + \frac{9}{9}$$

$$= 2 + \frac{9}{9}$$

$$= \frac{17}{9} + \frac{17}$$

5 Complete the additions.

a)
$$4\frac{3}{6} + \frac{5}{6} =$$

c)
$$= 2\frac{5}{8} + \frac{7}{8}$$

b)
$$\frac{6}{7} + 3\frac{4}{7} =$$

d)
$$7\frac{4}{17} + \frac{16}{17} =$$

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

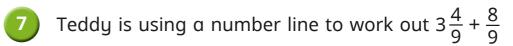


$$\frac{7}{10} + \frac{6}{10} = \frac{13}{10}$$

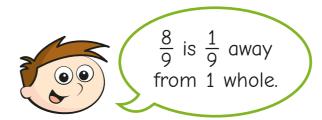
$$\frac{13}{10} + 5 = 5\frac{13}{10}$$

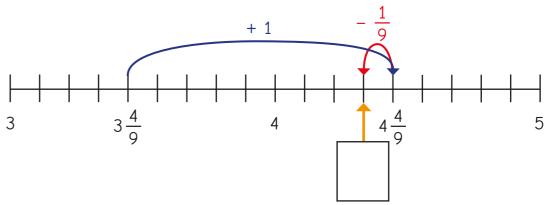
$$5\frac{7}{10} + \frac{6}{10} = 5\frac{13}{10}$$

How can Tiny's answer be improved?



a) Complete Teddy's workings.





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

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

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





