

# Add fractions



1 Complete the calculations.

$$\frac{2}{5} + \frac{1}{5} = \boxed{\phantom{00}}$$

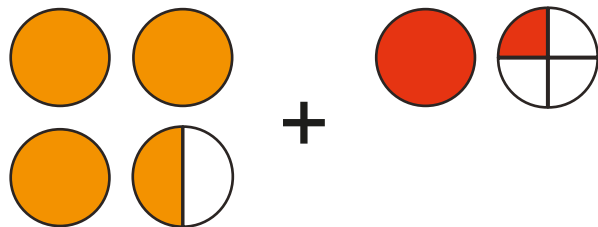
$$1\frac{2}{5} + \frac{1}{5} = \boxed{\phantom{00}}$$

$$1\frac{2}{5} + 1\frac{1}{5} = \boxed{\phantom{00}}$$

$$2\frac{2}{5} + 1\frac{1}{5} = \boxed{\phantom{00}}$$

Talk to your partner about the methods you used.

2 Complete the calculation that is represented.

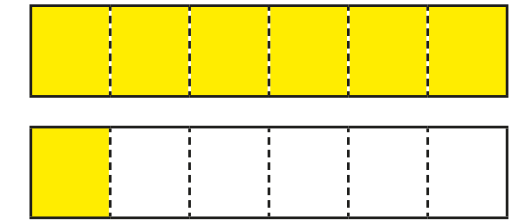
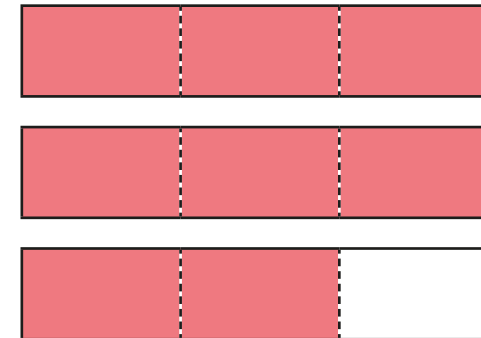


$$\boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

Show the method that you used.

3 Work out the addition.

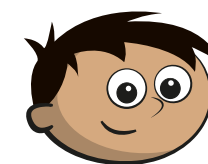
$$2\frac{2}{3} + 1\frac{1}{6}$$



Show your method.

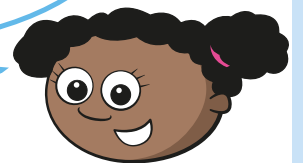
4 Amir and Whitney are working out an addition.

$$1\frac{3}{4} + 3\frac{2}{5}$$



I will add the wholes and then the parts.

I will convert each number to an improper fraction first and then add them.



Complete Amir's and Whitney's methods.

| Amir's method   | Whitney's method   |
|---|--|
| $1 + 3 = 4$ wholes<br>$\frac{3}{4} + \frac{2}{5} = \boxed{\phantom{00}} + \boxed{\phantom{00}}$ | $1\frac{3}{4} = \frac{7}{4}$ and $3\frac{2}{5} = \boxed{\phantom{00}}$ |

5 Complete the calculations.

a)  $2\frac{3}{5} + 1\frac{3}{10} =$

c)  $3\frac{5}{9} + 1\frac{1}{4} =$

b)  $4\frac{7}{15} + 2\frac{1}{3} =$

d)  $7\frac{5}{8} + 1\frac{2}{3} =$

6 Esther cycles  $2\frac{7}{10}$  km and then takes a rest.  
Later, Esther cycles  $3\frac{1}{4}$  km.  
How far does Esther cycle in total?

7 Use the given fact to help you complete the calculations.

$$\frac{2}{3} + \frac{1}{5} = \frac{13}{15}$$

a)  $12\frac{2}{3} + 11\frac{1}{5} =$

b)  $270\frac{2}{3} + 125\frac{1}{5} =$

8 Three buckets are partly filled with water.  
Each bucket can hold 10 litres in total.



$3\frac{1}{2}$  litres



$2\frac{3}{4}$  litres



$3\frac{4}{5}$  litres

Is it possible for all the water to fit into one bucket? \_\_\_\_\_

Show all your working.

9 Use the digits 1 to 6 once each to complete the addition.

$8\frac{3}{20} =$    $+$