

Add fractions



1 Complete the calculations.

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

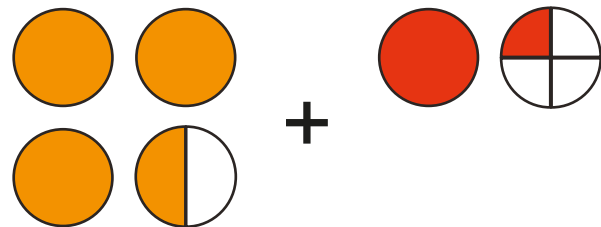
$$1\frac{2}{5} + \frac{1}{5} = \boxed{}$$

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

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

Talk to your partner about the methods you used.

2 Complete the calculation that is represented.

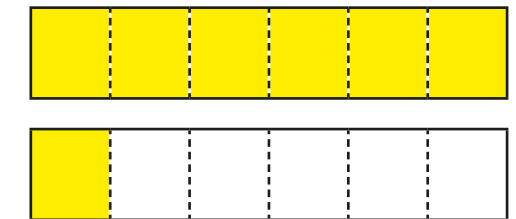
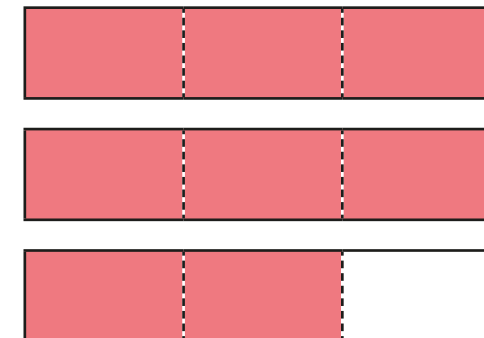


$$\boxed{} + \boxed{} = \boxed{}$$

Show the method that you used.

3 Work out the addition.

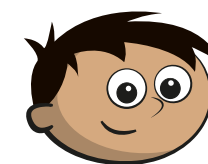
$$2\frac{2}{3} + 1\frac{1}{6}$$



Show your method.

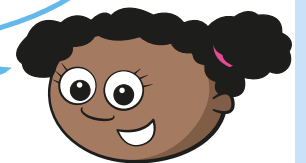
4 Amir and Whitney are working out an addition.

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



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 $\frac{3}{4} + \frac{2}{5} = \boxed{} + \boxed{}$	$1\frac{3}{4} = \frac{7}{4}$ and $3\frac{2}{5} = \boxed{}$

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.

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