Add mixed numbers

1 Complete the calculations.

$\frac{2}{5} + \frac{1}{5} =$ ☐

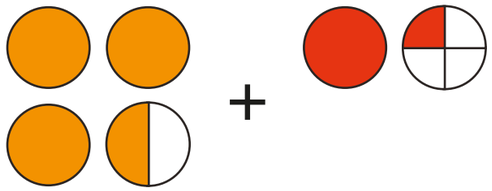
$1\frac{2}{5} + \frac{1}{5} =$ ☐

$1\frac{2}{5} + 1\frac{1}{5} =$ ☐

$2\frac{2}{5} + 1\frac{1}{5} =$ ☐

Talk to a partner about the methods you used.

2 The diagram shows an addition.

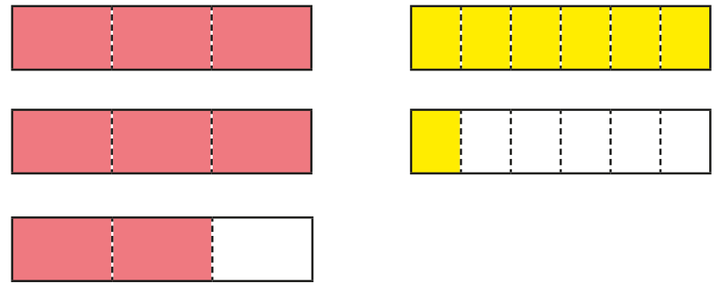


Complete the calculation to match the diagram.

☐ + ☐ = ☐

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.

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



Amir

I will add the wholes and then the parts.

Whitney



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

Complete each method.

Amir's method

1 + 3 = 4 wholes

$\frac{3}{4} + \frac{2}{5} =$ ☐ + ☐

Whitney's method

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

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5 Complete the calculations.

a) $2\frac{3}{5} + 1\frac{3}{10} =$ ☐

b) $4\frac{7}{15} + 2\frac{1}{3} =$ ☐

c) $3\frac{5}{9} + 1\frac{1}{4} =$ ☐

d) $7\frac{5}{8} + 1\frac{2}{3} =$ ☐

6 Esther cycles $2\frac{7}{10}$ km and then has a rest.

Later, she 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 workings.

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

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

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