

Mixed addition and subtraction

1 Work out the calculations.

a) $\frac{2}{5} + \frac{3}{4} =$

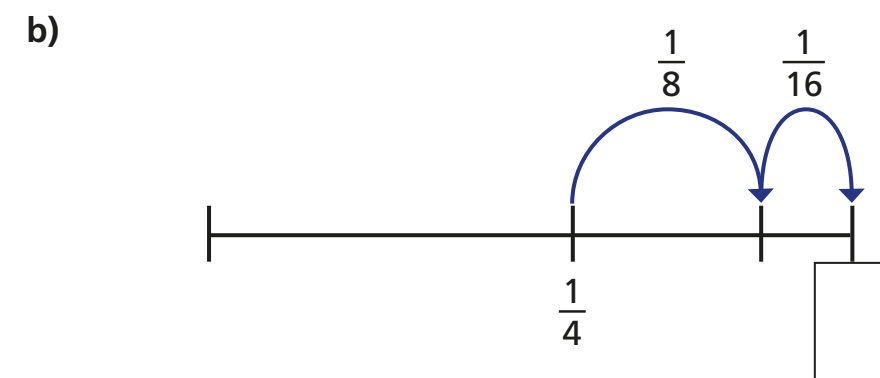
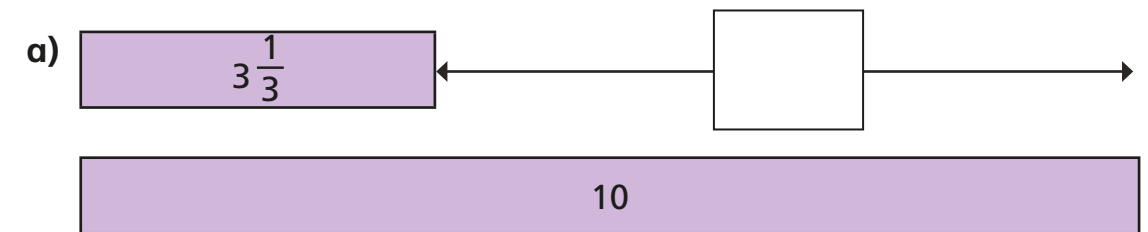
b) $2\frac{1}{4} - \frac{2}{3} =$

c) $3\frac{7}{10} - 2\frac{1}{4} =$

2 Complete the calculation.

$\frac{5}{6} + 1\frac{2}{9} - \frac{1}{2} =$

3 Work out the missing fractions.



4 Complete the calculations.

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

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

c) $\frac{2}{5} + \frac{1}{5} +$ $= \frac{4}{3}$

d) $\frac{4}{5} =$ $-\frac{4}{5}$

5 Which of these are true and which are false?
Can you decide without having to do the additions or the subtractions?

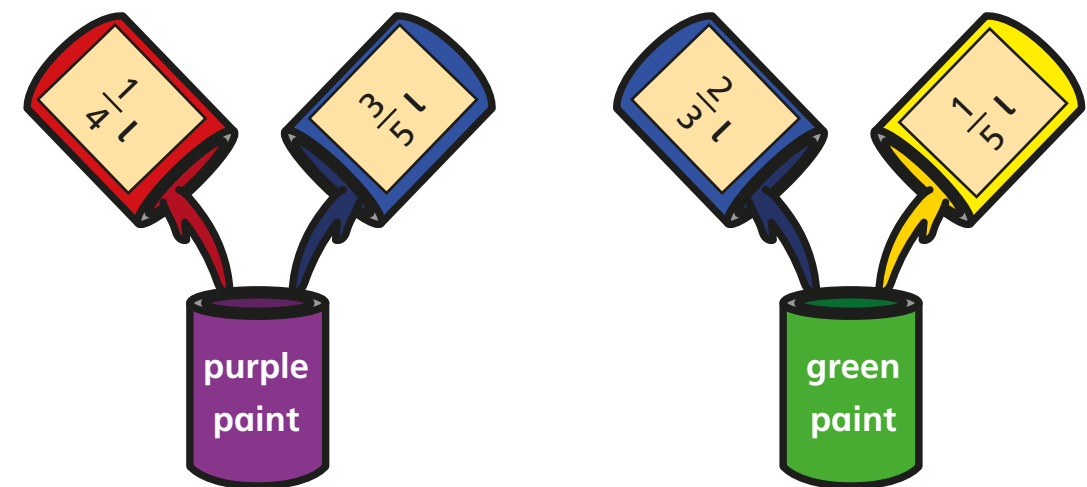
Talk about your reasons with a partner.

	True or false?
$2\frac{1}{3} + 3\frac{3}{4}$ is equal to $3\frac{1}{3} + 2\frac{3}{4}$	
$3\frac{3}{4} - \frac{1}{3}$ is less than $4\frac{3}{4} - 1\frac{1}{3}$	
$3\frac{3}{4} - 2\frac{1}{3}$ is equal to $3\frac{1}{3} - 2\frac{3}{4}$	

6 Complete the addition grid.

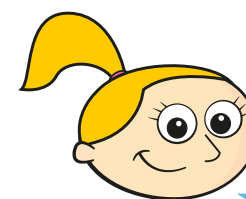
$1\frac{1}{4}$		$\frac{1}{4}$	$= 3\frac{3}{5}$
$\frac{1}{25}$	$1\frac{3}{20}$		$= 3\frac{39}{100}$
	$1\frac{1}{50}$	$1\frac{3}{100}$	$= 5\frac{9}{20}$

7 A painter uses the following mixtures.
How much more green paint does she have than purple paint?

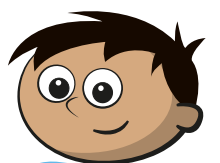


8 Eva and Amir are working out this calculation.

$$\frac{1}{4} + \frac{25}{100} - \frac{2}{8} - \frac{9}{36}$$



This is going to be very difficult, because I can't find a common denominator.



I have found an easier way.

Find Amir's solution. Explain how this calculation can be solved.
