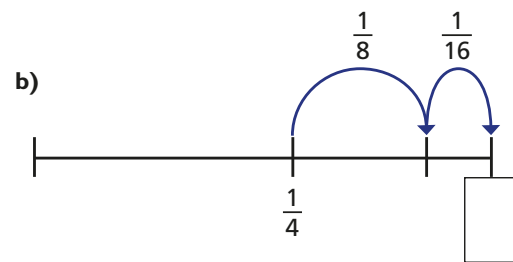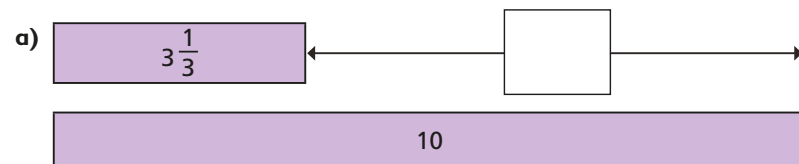**1** Work out the calculations.

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 Solve the calculation.

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

3 Work out the missing fractions.

a)

$3\frac{1}{3}$ | |

10

b)

$\frac{1}{8}$ $\frac{1}{16}$

$\frac{1}{4}$

4 Complete the calculations.

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

b) $\frac{2}{5} + \frac{1}{5} + \boxed{} = 1\frac{1}{2}$ d) $\frac{4}{5} = \boxed{} - \frac{4}{5}$

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.

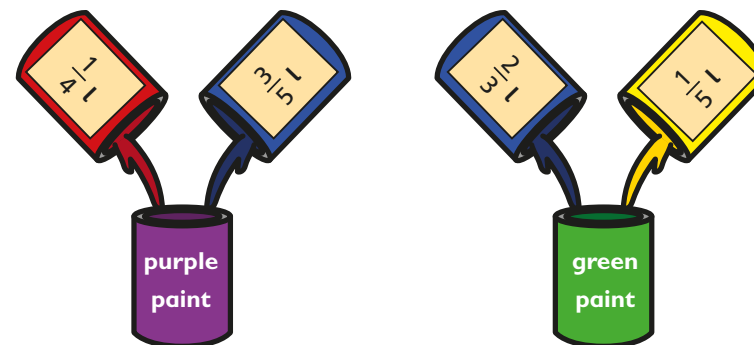| $1\frac{1}{4}$		$\frac{1}{4}$	$= 3\frac{3}{5}$
$\frac{1}{25}$	$1\frac{3}{20}$		$= 3\frac{39}{100}$
	$1\frac{1}{50}$	$1\frac{3}{100}$	$= 5\frac{9}{20}$
$=$	$=$	$=$	

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.

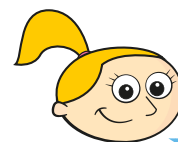|	True or false?
$2\frac{1}{3} + 3\frac{3}{4}$ is equal to $3\frac{1}{3} + 2\frac{3}{4}$	
$3\frac{3}{4} - \frac{1}{3}$ is less than $4\frac{3}{4} - 1\frac{1}{3}$	
$3\frac{3}{4} - 2\frac{1}{3}$ is equal to $3\frac{1}{3} - 2\frac{3}{4}$	

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.