## Mixed addition and subtraction

(1) Work out the calculations.
a) $\frac{2}{5}+\frac{3}{4}=\square$
b) $2 \frac{1}{4}-\frac{2}{3}=\square$
c) $3 \frac{7}{10}-2 \frac{1}{4}=\square$
(2) Complete the calculation.

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

Work out the missing fractions.
a)

10
b)

(4) Complete the calculations.
a) $\frac{2}{5}+\frac{1}{5}+\square=1$
b) $\frac{2}{5}+\frac{1}{5}+\square=1 \frac{1}{2}$
c) $\frac{2}{5}+\frac{1}{5}+\square=\frac{4}{3}$
d) $\frac{4}{5}=\square-\frac{4}{5}$

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 $3 \frac{1}{3}-2 \frac{3}{4}$ |  |

## 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.

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

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

