What is the same about the answers to the three calculations?

2.

Use a bar model to explain why $\frac{3}{5}+\frac{2}{5}$ is equal to 1
(3)

Use the bar models to work out the subtractions.
a) $1-\frac{1}{3}$
b) $1-\frac{2}{3}$
c) $1-\frac{3}{7}$

4) Work out the subtractions.
a) $1-\frac{1}{5}$
b) $1-\frac{2}{5}$
c) $1-\frac{3}{5}$
d) $1-\frac{4}{5}$
e) $1-\frac{7}{10}$
f) $1-\frac{9}{11}$
g) $1-\frac{11}{20}$
h) $1-\frac{7}{8}$

Compare answers with a partner.
Did you get the same answers? Discuss your methods.
(5) Work out the additions.
a) $1+\frac{2}{5}$
b) $15+\frac{1}{3}$
$2+\frac{2}{5}$
$15+\frac{2}{3}$
$3+\frac{2}{5}$
$15+\frac{3}{3}$
$7+\frac{2}{5}$
c) Is the statement true or false?

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

Talk about it with a partner.
(6) Write an addition and a subtraction for the models.
a)

b)

c)


5
Work out the additions.
a) $1+\frac{2}{5}$
b) $15+\frac{1}{3}$
$2+\frac{2}{5}$
$15+\frac{2}{3}$
$3+\frac{2}{5}$
$15+\frac{3}{3}$
$7+\frac{2}{5}$
c) Is the statement true or false?
$3+\frac{5}{4}=4 \frac{1}{4}$
Talk about it with a partner.

6 Write an addition and a subtraction for the models.
a)


b)

c)
a) Dora and Rosie are trying to work out $9-\frac{4}{11}$

What mistakes have they made?

## Dora




Rosie

$$
9-\frac{4}{11}=\frac{99}{11}-\frac{4}{11}
$$

$$
\text { So } 9-\frac{4}{11}=\frac{95}{0}
$$

b) How would you calculate $9-\frac{4}{11}$

Compare your method with a partner's.
(8) Work out the subtractions.
a) $3-\frac{2}{5}$
b) $8-\frac{2}{3}$
c) $10-\frac{3}{4}$
d) $7-\frac{10}{19}$
(9)

There are 6 episodes in a series.
Brett has watched $\frac{3}{4}$ of the first episode.
Exactly how many episodes does he need to watch to finish the series?

10
Kim orders 3 pizzas. Each pizza is sliced into 8 slices.
Kim has 3 slices and Tom has 4
Exactly how much pizza is left?

