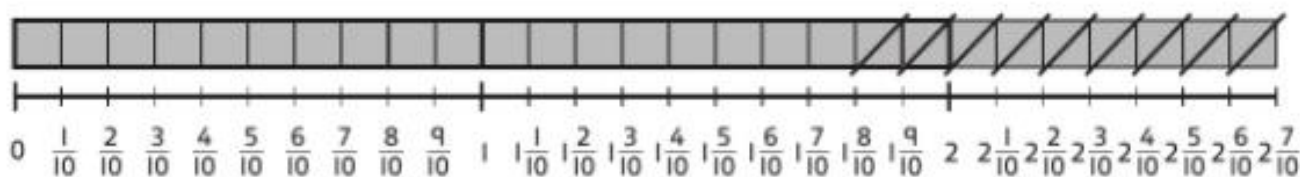
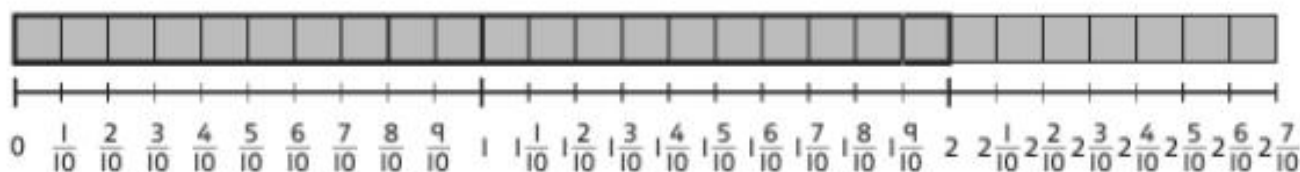


Subtracting fractions 1

- 1 Last week Rusty the dog ate $2\frac{7}{10}$ kg of dog food. This week he ate $\frac{9}{10}$ kg less than last week.

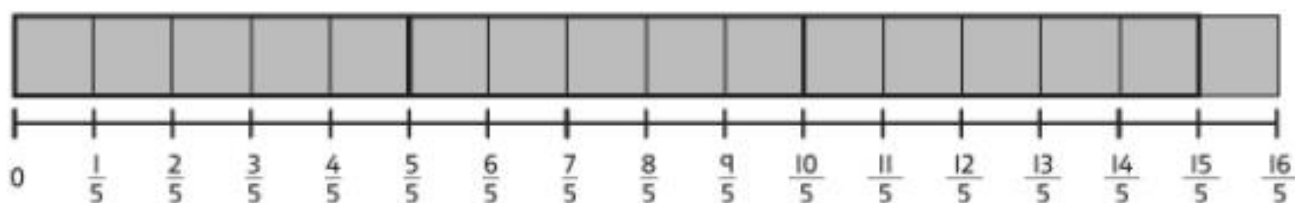
How much dog food did Rusty eat this week?



$$2\frac{7}{10} - \frac{\boxed{}}{\boxed{}} = \boxed{}$$

Rusty ate kg this week.

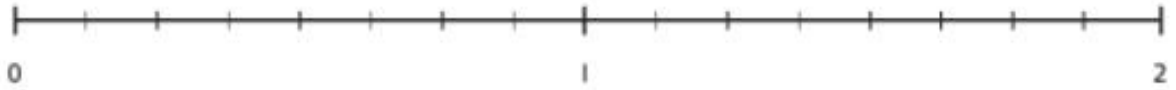
- 2 Cross out part of the fraction strip to help you work out the answer to $3\frac{1}{5} - \frac{4}{5}$.



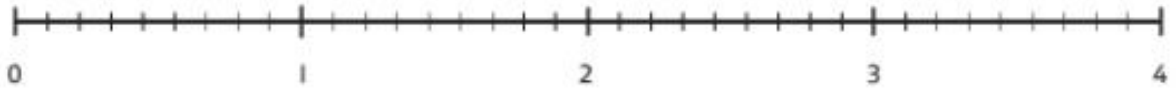
$$3\frac{1}{5} - \frac{4}{5} = \boxed{}$$

3 Complete each calculation.

a) $1\frac{7}{8} - \frac{3}{8} =$



b) $= 3\frac{1}{9} - \frac{5}{9}$



c) $2\frac{9}{11} - \frac{3}{11} - \frac{9}{11} =$

I will do the subtractions in a different order to make this easier to work out.



4 Millie has $2\frac{5}{7}$ litres of juice. Each day Millie drinks $\frac{6}{7}$ of a litre of juice.

a) How many days will the juice last?



Millie has enough juice for days.

b) How much juice is left over?

There is of a litre of juice left over.

5 Work out these calculations.

a) $2\frac{2}{5} - \frac{4}{5} =$

d) $3\frac{2}{8} - \frac{5}{8} =$

g) $\frac{1}{6} - \frac{\text{ }}{6} = 2$

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

e) $7\frac{5}{12} - \frac{11}{12} =$

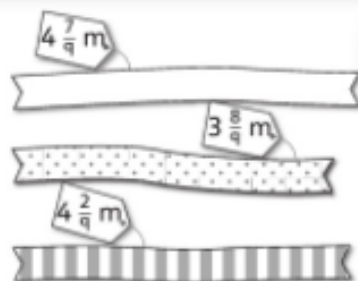
h) $-\frac{7}{10} = 3\frac{5}{10}$

c) $1\frac{5}{8} - \frac{7}{8} =$

f) $\frac{1}{8} - \frac{5}{8} = 4\frac{\text{ }}{8}$

i) $7\frac{1}{5} -$ $= 6\frac{3}{5}$

6 Here are three lengths of ribbon.
Preeti cuts $\frac{7}{9}$ m of ribbon from her piece and then a further $\frac{4}{9}$ m from it.
She has 3 m of ribbon left.



CHALLENGE

Which ribbon did Preeti have to start with?



Reflect

Draw a diagram to help you explain the answer to $2\frac{1}{5} - \frac{3}{5}$.

