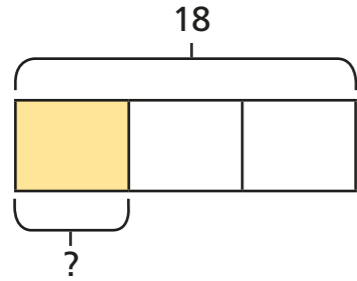
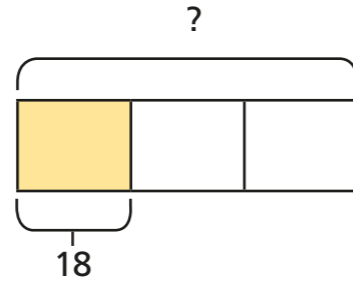


Fraction of an amount – find the whole

1 Complete the calculations.



$$\frac{1}{3} \text{ of } 18 = \boxed{6}$$



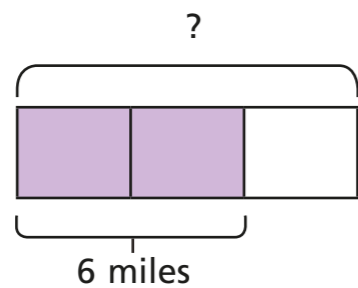
$$\frac{1}{3} \text{ of } \boxed{54} = 18$$

What is the same about the calculations?

What is different?

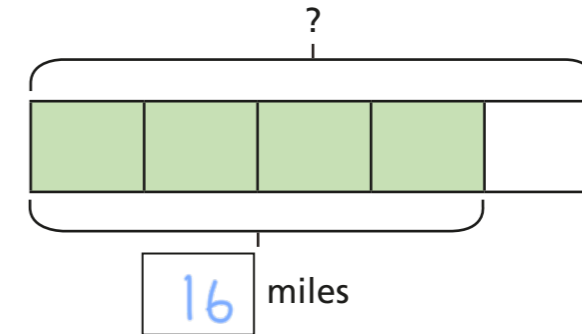
2 a) Mr Hall walked $\frac{2}{3}$ of the way from his house to work.
He walked 6 miles.

How far is it in total from his house to work?



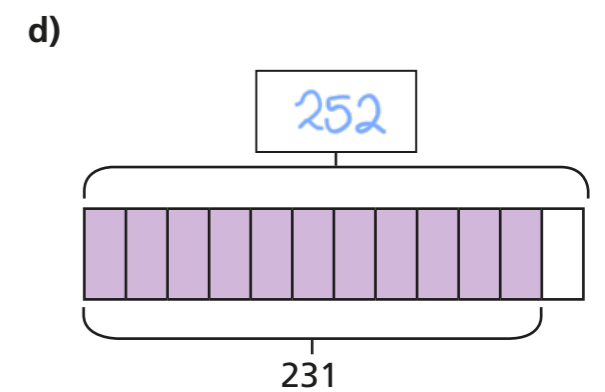
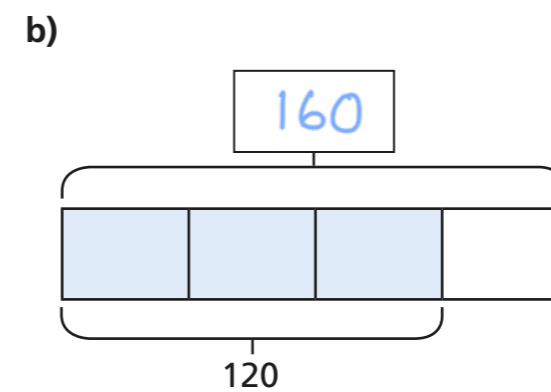
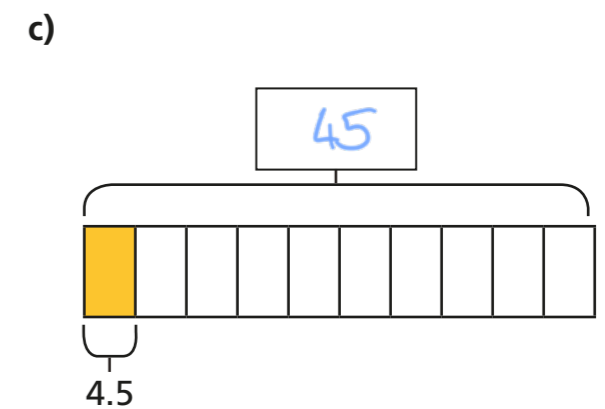
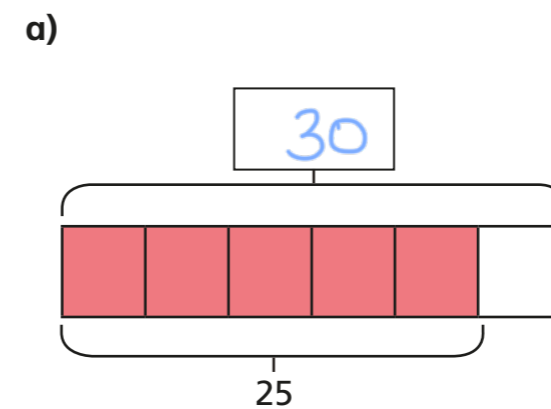
$\boxed{9 \text{ miles}}$

b) Jenny cycled $\frac{4}{5}$ of the way from her house to work.
She cycled 16 miles.
How far is it in total from her house to work?



$\boxed{20 \text{ miles}}$

3 Calculate the missing wholes.



4 Fill in the missing information.

a) $\frac{1}{3}$ of = 20

b) $80 = \frac{4}{10}$ of

$\frac{2}{3}$ of = 20

$800 = \frac{4}{10}$ of

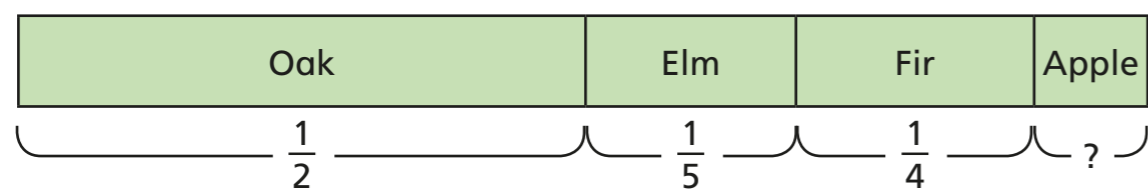
$\frac{4}{5}$ of = 20

$8 = \frac{4}{10}$ of

$\frac{4}{5}$ of = 120

$80 = \frac{4}{100}$ of

5 This diagram shows the fractions of trees in school grounds.

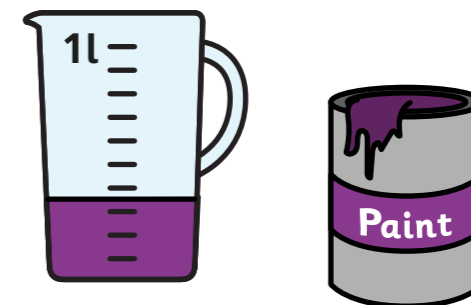


There are 40 elm trees.

Complete the table.

Oak	100
Elm	40
Fir	50
Apple	10
Total	200

6 Jack poured $\frac{7}{10}$ of a tin of paint into this jug.



How many millimetres of paint are left in the tin?

7 Complete the calculations.

$4 = \frac{10}{15}$ of

$15 = \frac{75}{100}$ of

$1 = \frac{250}{2,000}$ of

Compare your method with a partner. What do you notice?