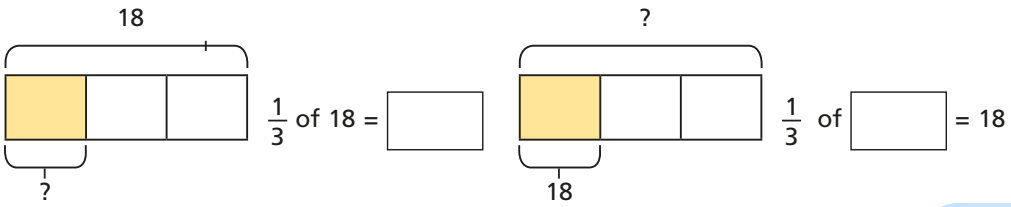
Fraction of an amount – find the whole

1 Complete the calculations.



What is the same about the calculations?

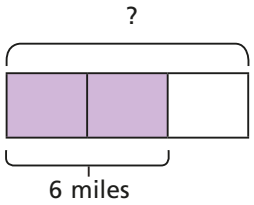
What is different?

DD: And another: Write another pair of calculations which are linked in the same way as those above.

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

He walked 6 miles.

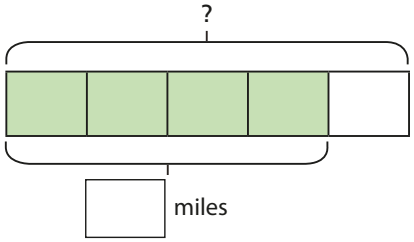
How far is it in total from his house to work?



b) Jenny cycled $\frac{4}{5}$ of the way from her house to work.

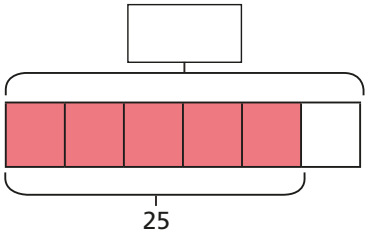
She cycled 16 miles.

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

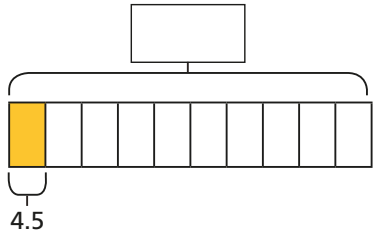


3 Calculate the missing wholes.

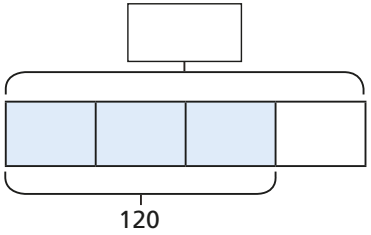
a)



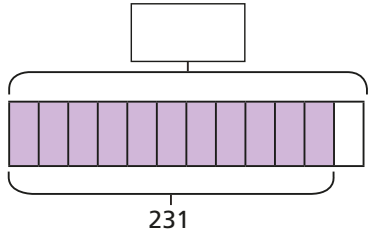
c)



b)



d)



DD Complete it: Record the following statement for b) c) and d) above:
____ (fraction) of ____ (whole) = _____ (integer)
e.g. a) 5/6 of 30 = 25

4 Fill in the missing information.

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

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

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

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

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

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

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

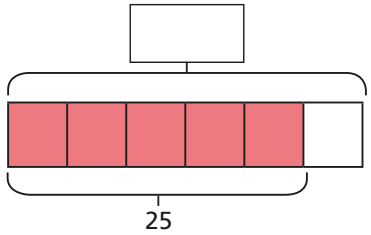
$80 = \frac{4}{100}$ of $\square$

DD: Maths Story: Write a problem to go with a statement above.

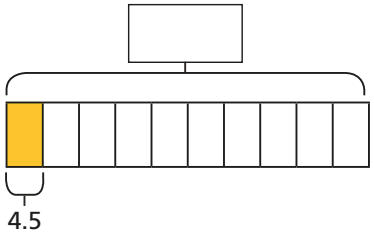
Fraction of an amount – find the whole

3 Calculate the missing wholes.

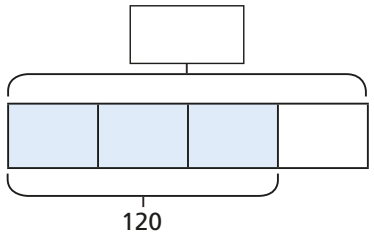
a)



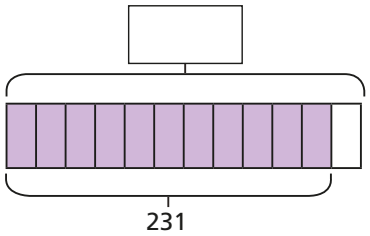
c)



b)



d)



4 Fill in the missing information.

a) $\frac{1}{3}$ of ☐ = 20

$\frac{2}{3}$ of ☐ = 20

$\frac{4}{5}$ of ☐ = 20

$\frac{4}{5}$ of ☐ = 120

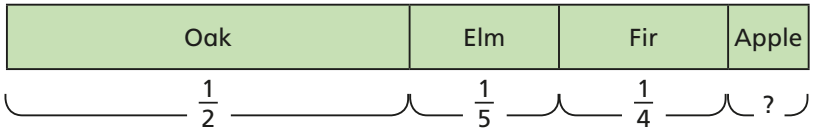
b) 80 = $\frac{4}{10}$ of ☐

800 = $\frac{4}{10}$ of ☐

8 = $\frac{4}{10}$ of ☐

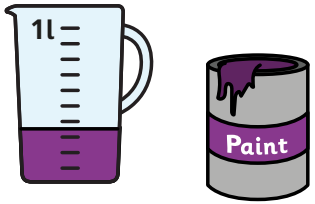
80 = $\frac{4}{100}$ of ☐

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



There are 40 elm trees. How many of each other type of tree is there?

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?