

Calculate quantities

- 1 Match the calculations to the bar models.
Work out the missing quantities.

Handwritten calculations and connections:

- $\frac{1}{4}$ of 20 = 5 (connected to bar model 1)
- $\frac{1}{4}$ of 16 = 4 (connected to bar model 2)
- $\frac{1}{5}$ of 25 = 5 (connected to bar model 3)
- $\frac{1}{3}$ of 12 = 4 (connected to bar model 4)

Handwritten note: $3 \times 4 = 12$

Handwritten note: 25

- 2 Complete the sentences.

a) When one fifth is 1, the whole is 5

When one fifth is 10, the whole is 50

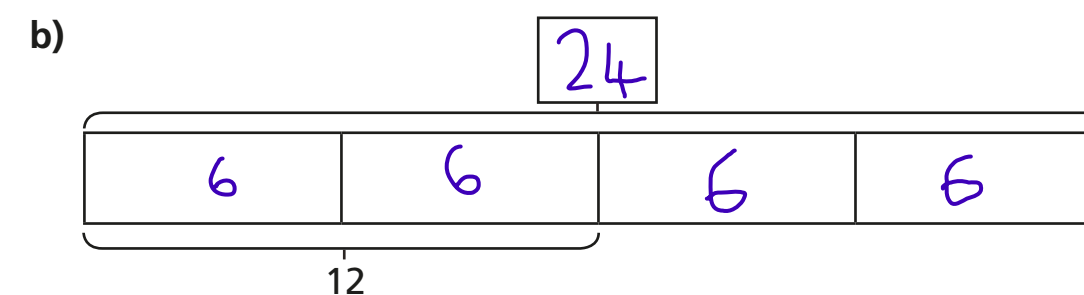
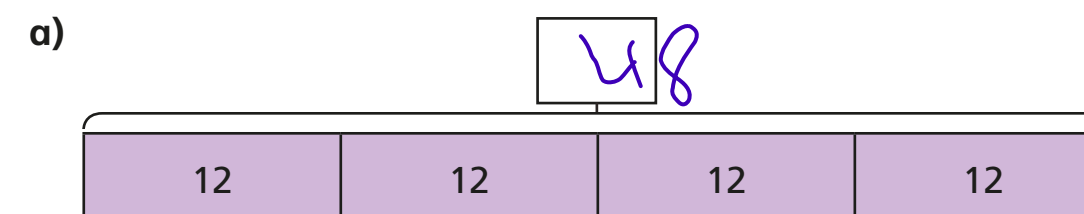
When one fifth is 20, the whole is 100

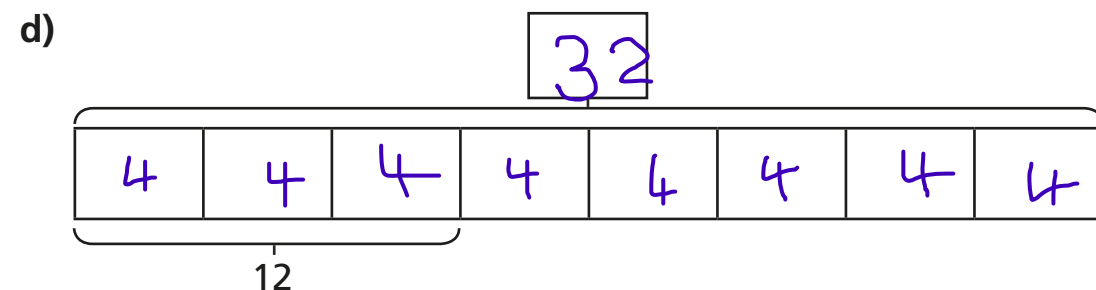
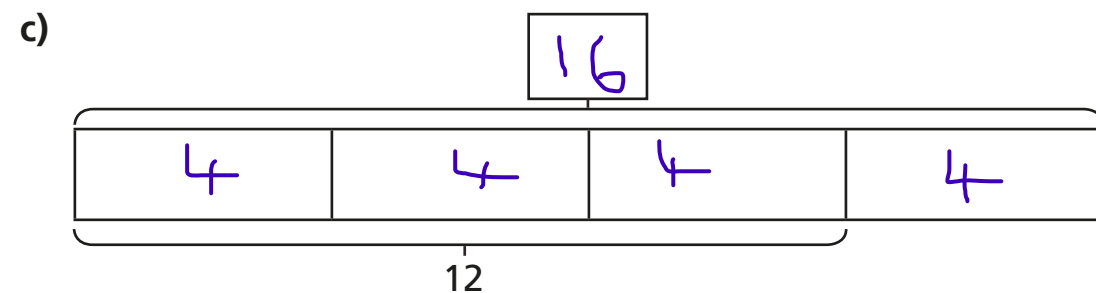
b) When $\frac{1}{7}$ is 2, the whole is 14

When $\frac{1}{7}$ is 4, the whole is 28

When $\frac{1}{7}$ is 8, the whole is 56

- 3 Complete the bar models and fill in the whole.





4 Complete the calculations.

a) $\frac{1}{2}$ of $\boxed{60} = 30$

e) $\frac{3}{7}$ of $\boxed{35} = 15$

b) $\frac{1}{2}$ of $\boxed{30} = 15$

f) $\frac{5}{7}$ of $\boxed{21} = 15$

c) $\frac{1}{4}$ of $\boxed{60} = 15$

g) $\frac{5}{7}$ of $\boxed{49} = 35$

d) $\frac{3}{4}$ of $\boxed{45} = 15$

h) $\frac{7}{5}$ of $\boxed{25} = 35$

5 Dora and Mo have a full bottle of juice.

Dora drinks $\frac{2}{5}$ of the juice.

Mo drinks $\frac{1}{5}$ of the juice.

There is 150 ml of juice left in the bottle.

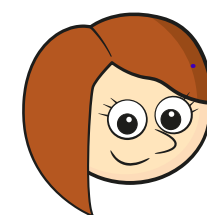
How much juice was in the full bottle?

$\boxed{375}$ ml

6 Rosie and Ron are collecting red and blue counters.

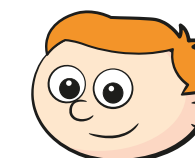
They have the same number of blue counters.

They have a different number of red counters.



Rosie

I have 18 counters altogether. $\frac{2}{3}$ are blue.



Ron

$\frac{3}{4}$ of my counters are blue.

a) How many counters does Ron have altogether?

15

$\boxed{}$

b) How many red counters do they each have?

Rosie has $\boxed{6}$ red counters.

Ron has $\boxed{4}$ red counters.