

Good morning Year 4s, I hope your learning is going well so far this week. For today's maths go to

<https://whiterosemaths.com/homelearning/year-4/> -Summer - Week 6 - Lesson 4 and watch the video 'Calculate quantities' then complete the worksheet. The answers are below. I have also attached a separate Y4 maths activity if you would like a challenge (I'll give you the

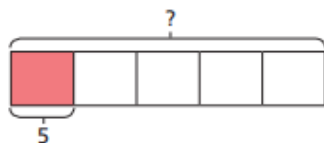
solution tomorrow).

Calculate quantities

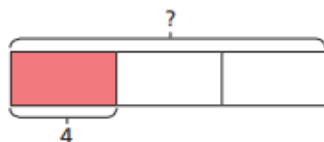
- 1 Match the calculations to the bar models.

Work out the missing quantities.

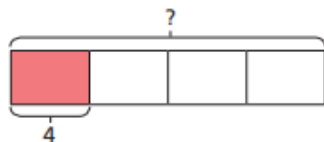
$$\frac{1}{4} \text{ of } \square = 5$$



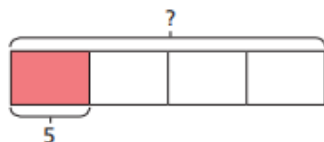
$$\frac{1}{4} \text{ of } \square = 4$$



$$\frac{1}{5} \text{ of } \square = 5$$



$$\frac{1}{3} \text{ of } \square = 4$$



- 2 Complete the sentences.

a) When one fifth is 1, the whole is

When one fifth is 10, the whole is

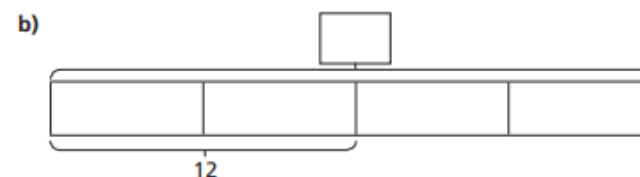
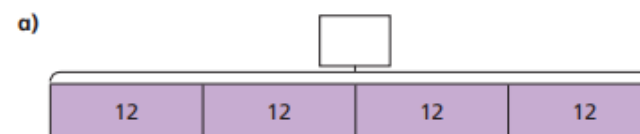
When one fifth is 20, the whole is

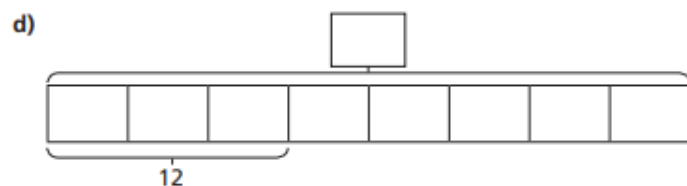
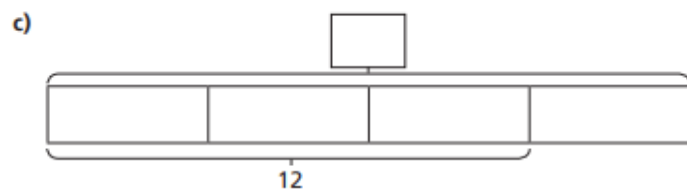
b) When $\frac{1}{7}$ is 2, the whole is

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

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

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





4 Complete the calculations.

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

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

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

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

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

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

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

h) $\frac{7}{5}$ of = 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?

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.

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



Ron

a) How many counters does Ron have altogether?

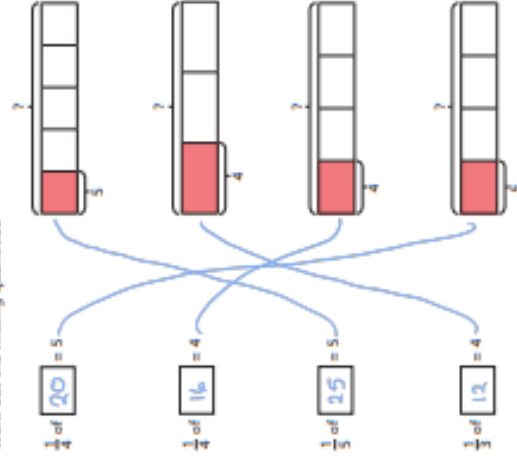
b) How many red counters do they each have?

Rosie has red counters.

Ron has red counters.

Calculate quantities

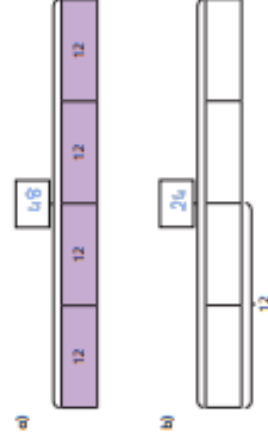
- 1 Match the calculations to the bar models.
Work out the missing quantities.



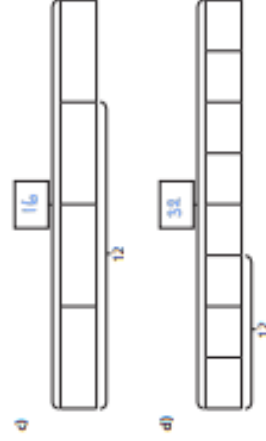
- 2 Complete the sentences.

- 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 $\frac{1}{5}$ is 2, the whole is **10**
When $\frac{1}{5}$ is 4, the whole is **20**
When $\frac{1}{5}$ is 8, the whole is **40**

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



- 4



- 5 Complete the calculations.

- a) $\frac{1}{4}$ of **60** = 15 e) $\frac{3}{5}$ of **35** = 15
b) $\frac{1}{2}$ of **30** = 15 f) $\frac{5}{7}$ of **21** = 15
c) $\frac{1}{4}$ of **60** = 15 g) $\frac{5}{7}$ of **49** = 35
d) $\frac{3}{4}$ of **20** = 15 h) $\frac{2}{5}$ of **25** = 10

- 6

- a) Dora and Mo have a full bottle of juice.
Dora drinks $\frac{2}{5}$ of the juice.
Mo drinks $\frac{3}{5}$ of the juice.
There is 150 ml of juice left in the bottle.
How much juice was in the full bottle?

375 ml

- 7

- a) 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.



- b) How many counters does Ron have altogether?

16

- c) How many red counters do they each have?

Rosie has **6** red counters.

Ron has **4** red counters.