Thursday Maths

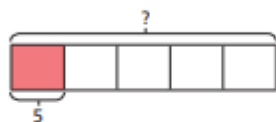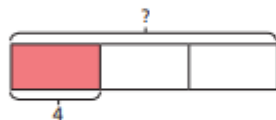## Calculate quantities

1 Match the calculations to the bar models.

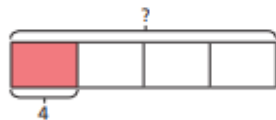Work out the missing quantities.

$\frac{1}{4}$ of ☐ = 5

?
5

$\frac{1}{4}$ of ☐ = 4
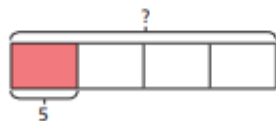

?
4

$\frac{1}{5}$ of ☐ = 5

?
4

$\frac{1}{3}$ of ☐ = 4

?
5

2 Complete the sentences.

a) When one fifth is 1, the whole is ☐
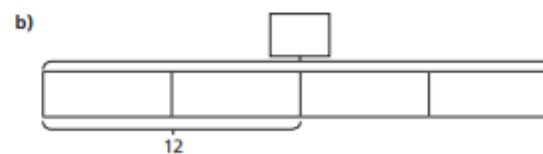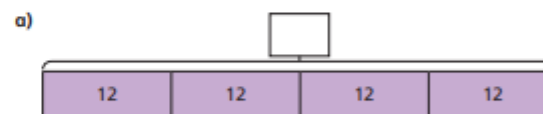
When one fifth is 10, the whole is ☐

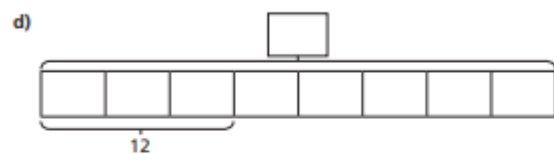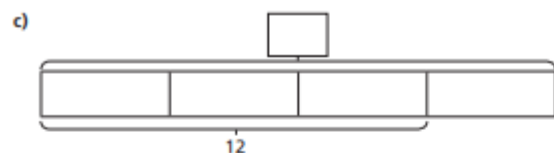When one fifth is 20, the whole is ☐

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.

a)

☐

| 12 | 12 | 12 | 12 |

b)

☐

12

c)

$$\square$$

12

d)

$$\square$$

12

4 Complete the calculations.

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

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

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

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

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

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

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

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

$$\square$$ 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.

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

Rosie

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

Ron

a) How many counters does Ron have altogether?
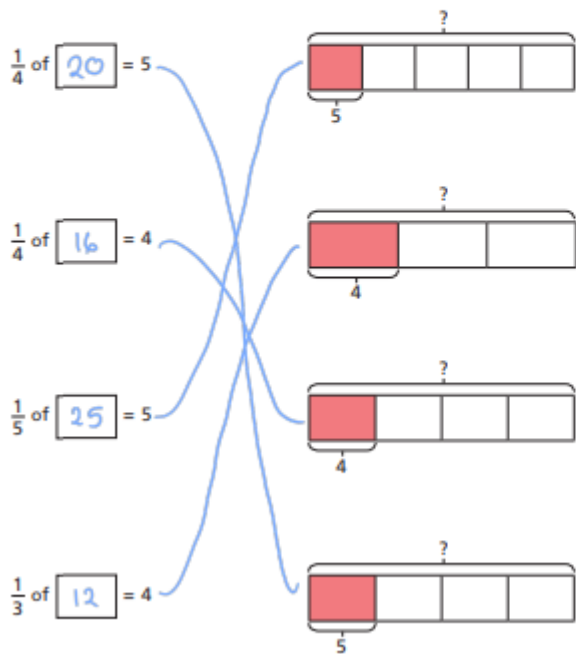
$$\square$$

b) How many red counters do they each have?

Rosie has $\square$ red counters.

Ron has $\square$ red counters.

(Answers below)

Thursday Maths

Calculate quantities

1 Match the calculations to the bar models.

Work out the missing quantities.

$\frac{1}{4}$ of 20 = 5

$\frac{1}{4}$ of 16 = 4

$\frac{1}{5}$ of 25 = 5

$\frac{1}{3}$ of 12 = 4

2 Complete the sentences.

a) When one fifth is 1, the whole is 5
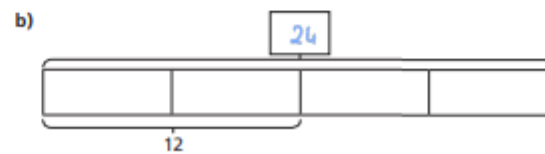
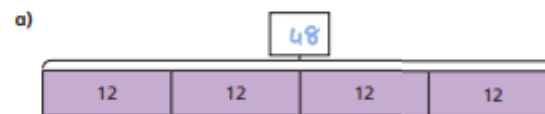When one fifth is 10, the whole is 50

When one fifth is 20, the whole is 100
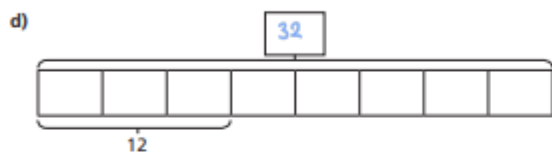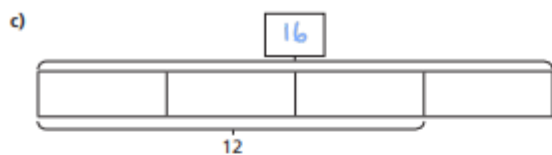
b) When $\frac{1}{7}$ is 2, the whole is 14

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.

a)

48

| 12 | 12 | 12 | 12 |

b)

24

12

c)

	16		

12

d)

		32			

12

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 $\boxed{20}$ = 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.

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

Rosie

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

Ron

a) How many counters does Ron have altogether?

$\boxed{16}$

b) How many red counters do they each have?

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

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