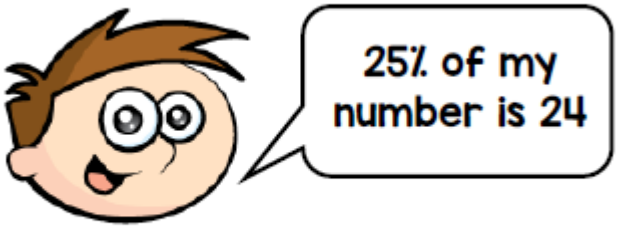
Problems of the Day *Day 1 Answers*

1 Fill in the missing numbers.

100 less than 20,000 is 19,900

600 more than 20,000 is 20,600

2

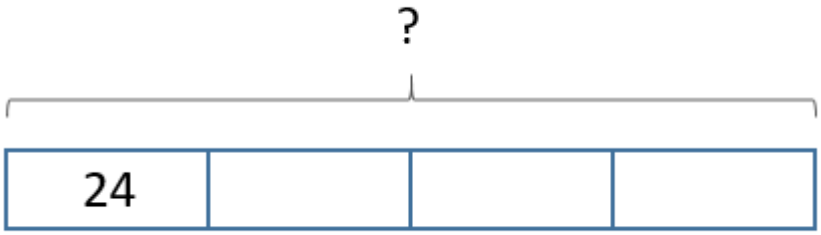


What number is Teddy thinking of?

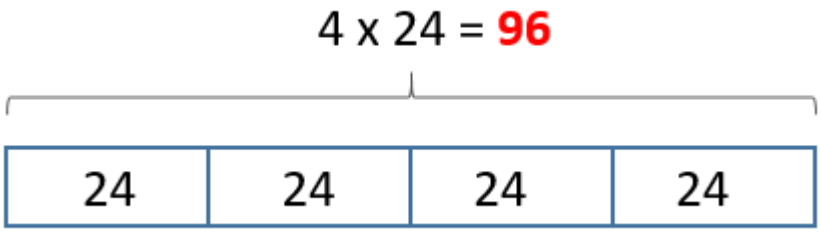
We know that 25% is one quarter.

Draw a bar to show this.

We don't know our whole, so we need to mark this with a question mark.



Our parts are equal, so we can complete the bar. This will show our whole.



If you did not arrive at the answer of 96, try these questions to practise:

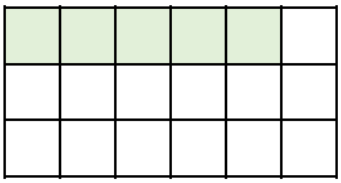
25% of a number is 16. What is the number?

10% of a number is 9. What is the number?

20% of a number is 7. What is the number?

The answers are at the end of this sheet.

3 Lucy shades in part of a rectangle.



She shades some more squares.

$\frac{7}{q}$ of the rectangle is now shaded.

How many more squares did Lucy shade?

First of all, we need to know how many squares need to be shaded.

There are 18 squares, so the whole is 18.

Lucy shaded $\frac{7}{9}$ of the whole, so we need to find $\frac{7}{9}$ of 18.

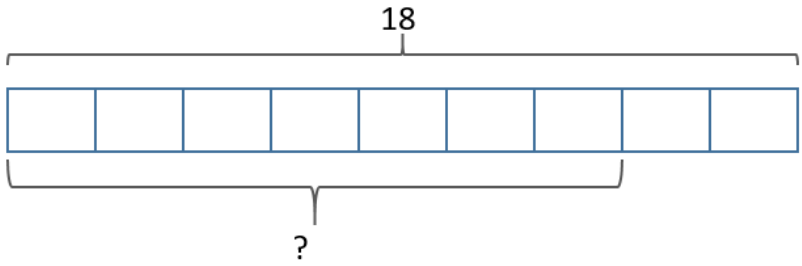
To find $\frac{7}{9}$ of 18, we need to first find $\frac{1}{9}$ of 18

$\frac{1}{9}$ of 18 = 18 ÷ 9 = 2

$\frac{7}{9}$ of 18 = 7 x 2 = 14

You could draw a bar to show the problem:

Find $\frac{7}{9}$ of 18.



If Lucy shaded $\frac{7}{9}$ of the whole, she shaded $\frac{7}{9}$ of 18 squares, which is 14.

5 are shaded already, so you need to shade 9 more so that 14 are shaded altogether.

Answers to further questions:

25% of a number is 16. What is the number? 64

10% of a number is 9. What is the number? 90

20% of a number is 7. What is the number? 35