

Maths

We will be looking at fractions this week.

A fraction represents a part of a whole.

As an example:

To find out how many chunks represent half (as a fraction this is written as $\frac{1}{2}$) of the whole chocolate bar below:



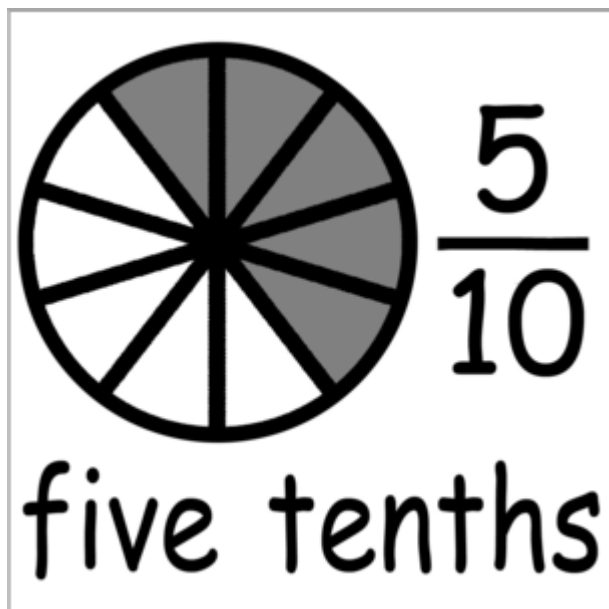
There are 10 chunks in this chocolate bar.

Each chunk represents $\frac{1}{10}$ of the whole bar, so 3 chunks represents $\frac{3}{10}$ of the whole bar.

We are looking to find out how many chunks represent $\frac{1}{2}$ of this bar.

This means we divide the total number of chunks (10) by 2 (the number of groups we are splitting the total number of chunks into).

Therefore, $10 \div 2 = 5$ or the dotted line in the image above also shows this as does the image below.



In your home learning books, complete the calculations below. You don't need to draw the sticks of ten, simply answer 1 a; 1 b; then 2 a; 2 b and so on to number 6, then answer questions 7 and 8.

For an extra challenge have a go at answering the Think!

Tenths and equivalent fractions

Write the fraction for each colour.

GRAB! Sticks of 10 in red and blue

1



$$\text{red} = \frac{\square}{10}$$

$$\text{blue} = \frac{\square}{10}$$

4



$$\text{red} = \frac{\square}{10}$$

$$\text{blue} = \frac{\square}{10}$$

2



$$\text{red} = \frac{\square}{10}$$

$$\text{blue} = \frac{\square}{10}$$

5



$$\text{red} = \frac{\square}{10}$$

$$\text{blue} = \frac{\square}{10}$$

3



$$\text{red} = \frac{\square}{10}$$

$$\text{blue} = \frac{\square}{10}$$

6



$$\text{red} = \frac{\square}{10}$$

$$\text{blue} = \frac{\square}{10}$$

7 Which sheet of stickers has one-half in red?

8 Which sheet of stickers has one-fifth in blue?



Write an addition of three fractions which gives the answer 1.