

**TUESDAY**

Warm your maths' brain up with these quick-fire questions.

1) Dora, Alex and Annie share the cookies equally.

How many will they each have?



2) Double 5 is \_\_\_\_\_

3) There are 3 groups of 10 cakes.

How many cakes altogether?



4) 1 less than 18 is \_\_\_\_\_

## Find a half (2)

Use objects from home to represent the pencils. Can you share them with a teddy? (One for you, one for me...) Try other numbers of objects. What do you notice? Some numbers can be halved and others cannot.)

- I** a) Circle half of the pencils.



- b) Complete the sentence.

Half of 6 is



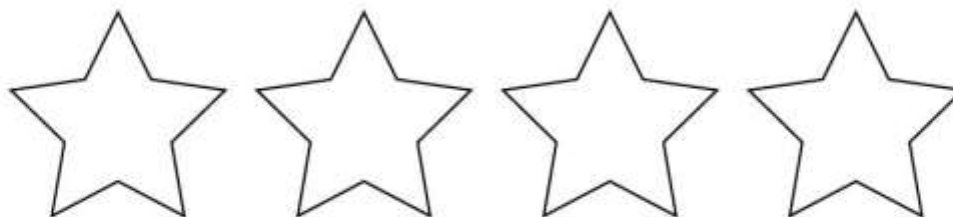
To complete another Flashback and see a video about halves of an amount, follow this link: <https://vimeo.com/403212540>

If you need help, use objects from home to represent the pictures. Can you share them with a teddy? (One for you, one for me...)

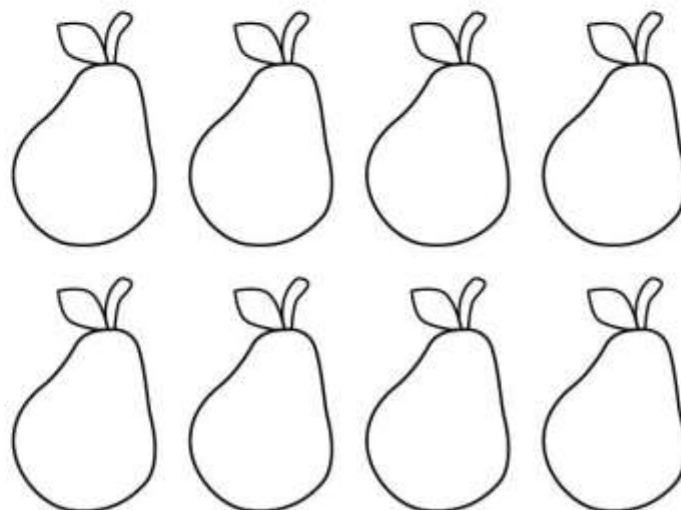


**2** Colour half of each group.

**a)**



**b)**



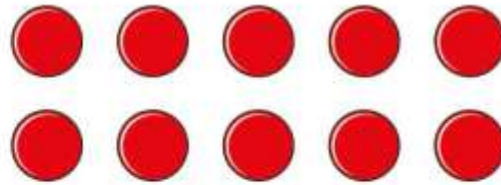
Is there a different way to halve the pictures?

Count the whole (total number of counters) carefully and use objects from home to represent them. Can you share them equally with a teddy? (One for you, one for me...)

**3** How many counters are there in each group?

Find half of each group.

**a)**

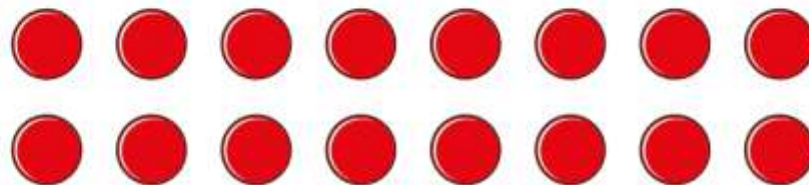


Half of  is



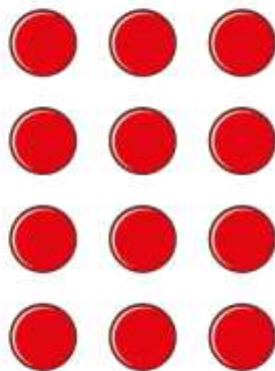
Count the whole carefully and use objects from home to represent them. Can you share them equally with a teddy? (One for you, one for me...)

**3** b)



Half of  is

c)



is half of



## Use what you know to find out something new!

If you know the half, how do you find the whole? Use objects to represent the half. If you have 7, how many does your teddy need so that you have equal halves? Can you now find the whole?

**4** Complete the sentence.

7 is half of

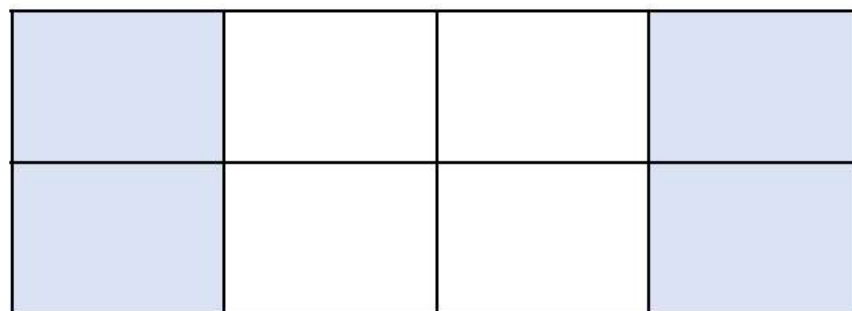
Now try these:

6 is half of \_\_\_\_\_

10 is half of \_\_\_\_\_

5 is half of \_\_\_\_\_





Half of the shape is shaded.

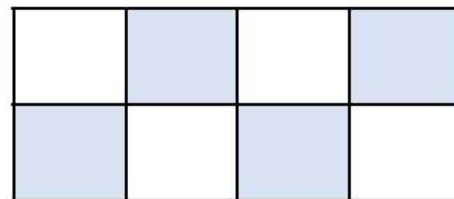
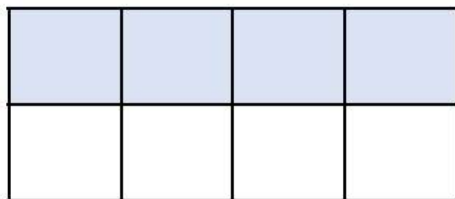
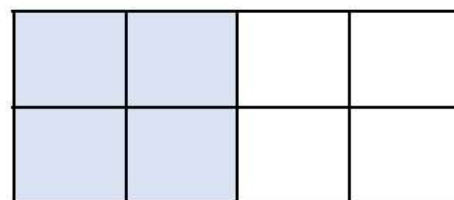
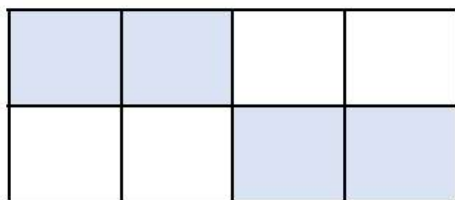
Is this true or false?

Can you convince me? Use your maths' reasoning and vocabulary to justify your answer.

Look at the next slide to check your answer.



True



4 parts are shaded and 4 parts are unshaded.

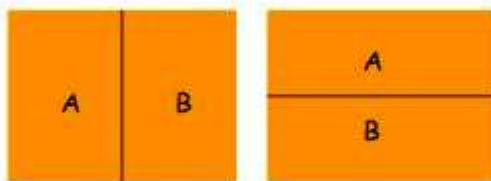
Here are some more ways to shade half.



# Challenge

In how many different ways can you halve an A4 sheet of paper?

You might start off with something like these two, for example:



Have a good explore and see what different ways you can find. Don't be afraid to be creative!

How will you know if they are halves?

## Key questions

Tell me about your halves.

How do you know this is a half?

Can you find some other ways of halving the paper?

Do you want to know how other children solved the problem? Look here:

<https://nrich.maths.org/13059/solution>