

Find a Half

Adult Guidance with Question Prompts



Children find half of a quantity or number. They understand that half means splitting a whole into two equal parts or groups.

You may wish to provide children with cubes or counters for this activity so they are able to share the numbers into two equal groups.

How many footballs are there in the whole group?

How will you find half?

How many equal groups will you need to split the footballs into?

How could you do this?

What could you use to help?

Can you count how many are in each group?

Are the two groups equal?

What numbers are missing from the stem sentences?

How will you find half of each number?

How many equal groups will you split each whole number into?

What do you notice about finding half of two and half of 20?

If I found half of six, how would this help me find half of 60?

Find a Half



Circle half the footballs.



The whole is _____. Half of _____ is _____.

Circle half the stars.



The whole is _____. Half of _____ is _____.

Find half of these numbers. You could use cubes to help.

$$\frac{1}{2} \text{ of } 2 = \underline{\hspace{2cm}} \qquad \frac{1}{2} \text{ of } 20 = \underline{\hspace{2cm}}$$

$$\frac{1}{2} \text{ of } 4 = \underline{\hspace{2cm}} \qquad \frac{1}{2} \text{ of } 40 = \underline{\hspace{2cm}}$$

$$\frac{1}{2} \text{ of } 6 = \underline{\hspace{2cm}} \qquad \frac{1}{2} \text{ of } 60 = \underline{\hspace{2cm}}$$

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Children are presented with half of a quantity. They use their knowledge of halving to find the whole number. Children may begin to make the link between halving and doubling.

You may wish to provide children with counters or cubes so that they are able to represent the crayons.

How many crayons can you see?

How could we find the whole?

What could you use to help?

If you know that half is five, what do you need to do to five to find the whole?

How many more will you need to add?

What do we call this?

How does doubling help us to find half?

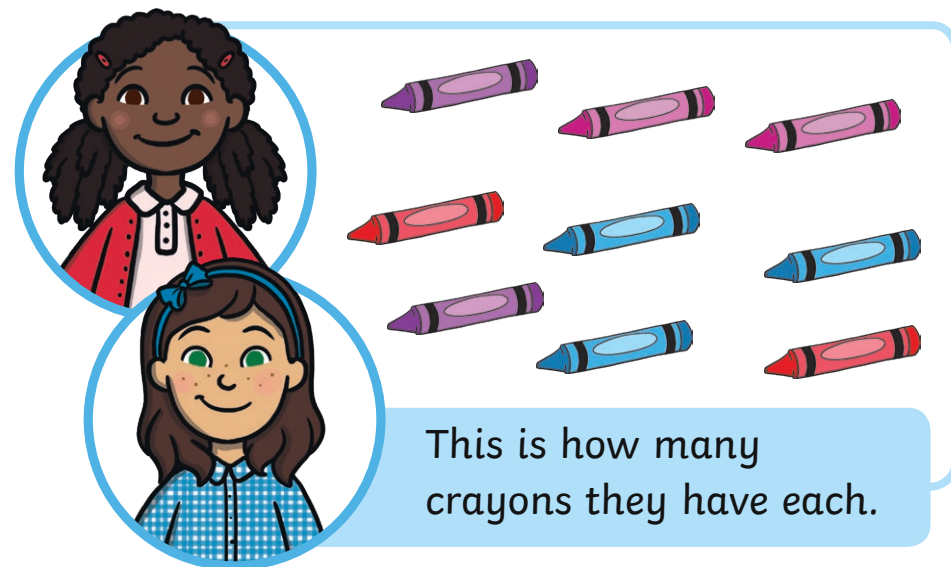
How many crayons are there altogether?

How could we show this as a calculation?

Find a Half



Emily shares her crayons with her friend.
They have half each.



How many crayons did
Emily start with?
Show how you know!



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Children use their knowledge of place value alongside halving. You may wish to provide children with a number line or hundred square for this activity.

What could half of Jack's number be?

Which numbers do we know it must be between?

Can you find all the possible answers?

Can you work systematically, following the pattern of the numbers?

If we know what half of the number could be, how will we find the whole number?

How could you check your answer is correct?

Can you think of a number and halve it?

What clues would you give to a friend to help them guess your starting number?

Find a Half



Jack says:

I am thinking of a number.

Half of my number is more than 12 and less than 20.



What could Jack's number be? Find all the possible answers.

Can you think of a number and halve it?

Give a friend some clues and see if they can guess your starting number.

