

## Find a Quarter (2)

### Adult Guidance with Question Prompts



Children learn that 'quarter' means one of four equal parts and 'whole' means complete. Children practice splitting groups into quarters and identifying groups that have been shared into quarters correctly. Children could use groups of counters to represent the fruits and vegetables.

How many cabbages are in the whole group?

What do you need to do to find a quarter?

How many equal groups do you need to make?

How can you do this?

Are the groups equal?

Which numbers are missing from the stem sentence?

Each basket of fruit has been split into four groups.

Which baskets of fruit have been quartered?

How do you know?

What clues are you looking for?

Split counters into four groups.

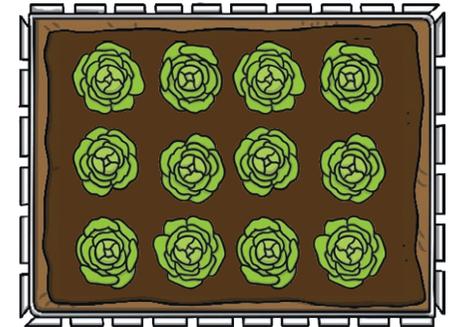
Can your friend spot the groups that have been quartered?

What was the whole group? How many are in each quarter?

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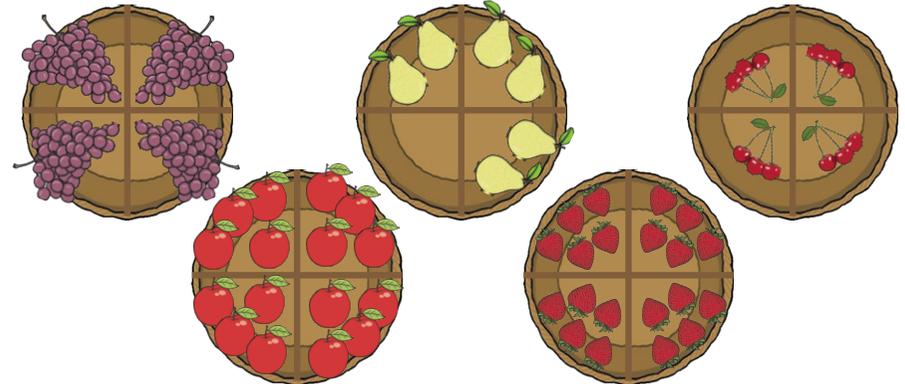
I need a quarter of the cabbages.



The whole is .

A quarter of  is .

Tick the baskets of fruit that have been quartered.



Share counters into 4 groups.

Can your friend spot the groups that have been quartered?

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Children learn that 'quarter' means one of four equal parts and 'whole' means complete. Children practice sharing groups into quarters. They also learn how to find the total of a whole group by counting the number in a quarter. Children could use groups of counters to represent the fruit and animals.

How many apples are there altogether?

What can you do to find a quarter?

How many apples does each horse get?

A quarter of \_\_\_ is \_\_\_ .

What is a flock?

Do you think this is true or false?

Can you tell me why?

If the twenty-four sheep were put in four groups, would there be four in each group?

What should a quarter of twenty-four look like?

Can you show me how to work this out?

What is a herd?

How many cows can you see?

If there are five cows in one quarter, what can we do to find the total of the whole group?

\_\_\_\_\_ is a quarter so \_\_\_\_\_ is the whole.

## Find a Quarter (2)



Use counters to help you.



I have 16 apples. I give each horse a quarter.



How many do they each get?

True or false? How do you know?



I have 24 sheep. If I quarter the flock, there will be 4 in each quarter.



This is a quarter of my herd.



How many cows do I have in my whole herd?  
Show how you know.

## Find a Quarter (2)

### Adult Guidance with Question Prompts



Children learn that 'quarter' means one of four equal parts and 'whole' means complete. Children find different ways to arrange quarters in a group. They also investigate quantities that can be quartered without splitting a whole number or leaving any remainders. Children could use groups of counters to represent the fruit and vegetables.

How many shelves are there in the farm shop?

How many apples are there?

This shows us that quarter of sixteen is...

How many different ways can you find to show a quarter?

How do you know you have found all the different ways?

How do you know you haven't repeated any ideas?

What can you do to keep track of your ideas?

Can you draw your ideas?

Make a group of counters to match the number on a crate.

Can you quarter them without having any left over?

Try again with another number.

What do you notice?

Can you spot a number pattern?

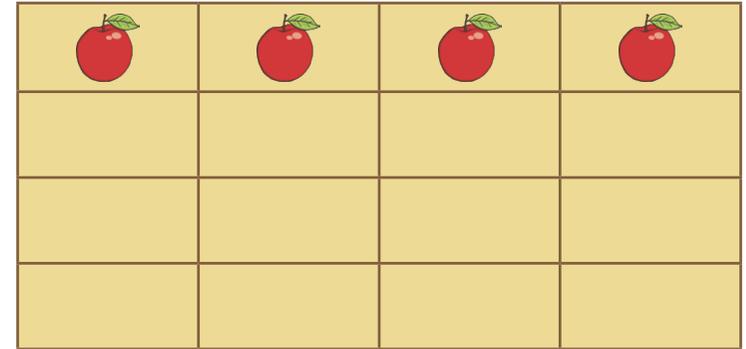
Can you explain what you have discovered?

Test your idea with some other numbers.

## Find a Quarter (2)



I filled a quarter of the farm shop shelves.



How many more ways can you find to show a quarter?

Use counters to check.



Which crates of vegetables can I quarter?



Which other numbers can be quartered?

Use counters to prove it.