

Diving into Mastery – Diving

Adult Guidance with Question Prompts

Children become familiar with the language of subtraction before using the symbol. They begin to understand subtraction as 'taking away' in practical contexts, including taking away zero. Children can say sentences about the trees if they can't write them.

How many glasses can you see in total?

How many have been drunk?

How many are left?

How do you know?

Can you complete the sentences?

What do you notice about these trees?

What is the same?

What is different?

Can you describe what has happened in sentences?

Encourage children to use the orange juice sentences to help them.

How Many Left - Crossing Out



There were 6 glasses of orange juice. 2 were drunk. Finish the sentences.



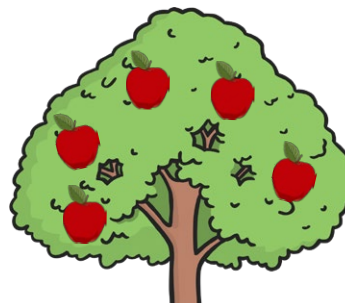
At first, there were _____ glasses of orange juice.

Then _____ were drunk.

Now there are _____ glasses of orange juice.

Write sentences to explain what has happened in these pictures.

First



Then



Diving into Mastery – Deeper

Adult Guidance with Question Prompts

Children become familiar with the language of subtraction before using the symbol. They begin to understand subtraction as 'taking away' in practical contexts, including taking away zero. Children use equipment, e.g. number lines, counters, towers of cubes, to explain that the statement is true.

What is 'zero'?

Do you think the statement is true?

Is it always true or sometimes true?

How can you be sure?

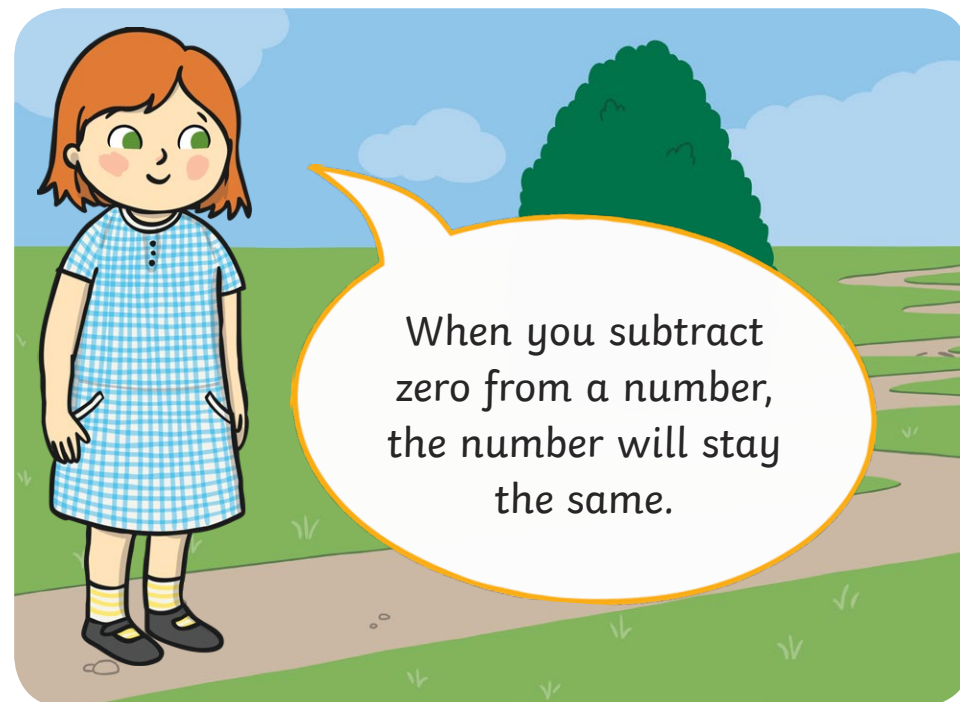
Can you think of examples to prove it?

Could you show with your equipment that this is true?

How Many Left - Crossing Out



Always, Sometimes, Never?



Is this always, sometimes or never true?

Can you think of 5 examples that prove your answer is correct?

Use equipment in the classroom to help you explain your ideas to a friend.

Diving into Mastery – Deepest

Adult Guidance with Question Prompts

Children become familiar with the language of subtraction before using the symbol. They begin to understand subtraction as 'taking away' in practical contexts, including taking away zero. Children solve subtraction problems by crossing out the pictures as they take away. For example, they may cross out three bananas and count how many are left, or use their knowledge of number bonds to find the answer.

How many are there to start with?

How many are we taking away?

Can you cross that many out?

How many are left?

Can you count them to find out?

Can you think of a different way?

Can you think of a problem for your friend to solve?

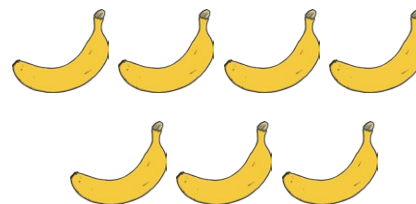
Do a drawing to go with your problem.

How Many Left - Crossing Out



Solve these subtraction problems by crossing out.

There were 7 bananas.
3 were eaten.



How many were left?

Here are 5 ice lollies.
2 melted in the sun.



How many were left?

8 birds were at the
bird table. 6 flew
away.



How many were left?

In the PE cupboard,
there are 9 balls. 2
rolled away.



How many were left?

Think of some of your own problems for a friend to solve. Draw pictures for them to cross out as they take away.