Subtraction – Crossing 10 (2)

Adult Guidance with Question Prompts

Children subtract numbers within 20, crossing the tens boundary. They use different methods, including finding the difference, taking away and partitioning. Children record calculations using the – and = symbols. They use ten-frames, part-whole models and cubes to help them with the different strategies.

Can you draw the grapes on the ten-frames?

Will the ten-frames be full?

How can you show that some have been eaten?

How many will you cross off?

How many are left?

What calculation can you write?

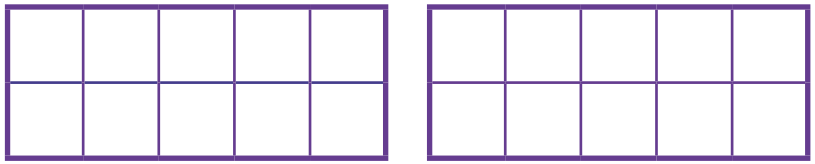
Can you partition 15 into the number of red and green grapes?

Can you build two towers to show me how many grapes each boy ate?

What is the difference between the two towers?

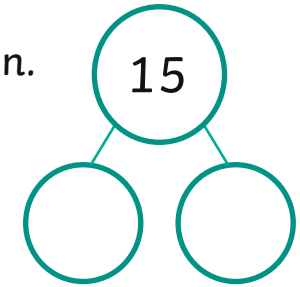
Subtraction – Crossing 10 (2)

Zack had 20 grapes. He ate 15. Show this.



_____ – _____ = _____

Of the 15 grapes Zack ate,
7 were red and the rest were green.
Show this.



_____ – _____ = _____

Hardeep ate 9 grapes. How many more did Zack eat?

Use cubes to find out the answer.

_____ – _____ = _____

Subtraction – Crossing 10 (2)

Adult Guidance with Question Prompts

Children use clues and reasoning skills to work out characters' ages. They will need to take away and find the difference. Children will need cubes to make towers; they could also use ten-frames or number lines to help them with this activity.

Can you solve the clues to find out the children's ages?

How old is Lin?

What age is five years less than Lin's?

Can you use a number line or ten-frames to find out?

If you know Lin's age, can you work out Chen's age? Explain how.

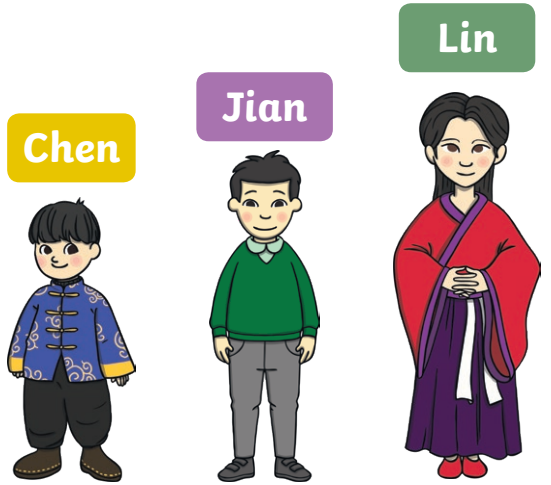
Show me how you can use cube towers to find out Chen's age.

How old are you?

Choose a number between 10 and 20. Can you find the difference between that number and your age?

Will you use cubes or a number line to help you? Explain your method.

Subtraction – Crossing 10 (2)



Here are clues about the children's ages:

Lin is 14 years old.

Jian's age is 5 years less than Lin's.

The difference between the oldest and youngest is 7 years.

How old are Jian and Chen? Use cubes to make towers that show their ages.

Choose a number from 10 to 20 and find the difference between that number and your age. Do this 5 times.

Subtraction – Crossing 10 (2)

Adult Guidance with Question Prompts

Children solve problems using all their different strategies. They may use cubes, part-whole models or number lines to support their subtraction.

How could we find which pair of these numbers have a difference of five?

What equipment could you use?

Explain how you would find out.

What other pairs have a difference of five?

How do you know?

Can you prove it?

How can we work out how many sweets Ali has?

What method will you use?

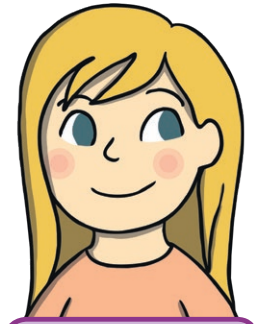
Can you represent the sweets using a part-whole model?

Can you think of a 'find the difference' problem?

Can you think of a problem that could be solved with partitioning?

Subtraction – Crossing 10 (2)

Can you solve these puzzles?



Ali

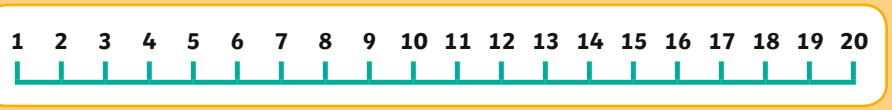
12, 9, 16, 7, 20

Which 2 numbers have a difference of 5?

Ali and I have 14 sweets in total.
I have 6. How many does Ali have?

Mo

Use the number line to solve Mo's subtraction puzzle.



Can you write your own subtraction puzzle?