

Diving into Mastery – Diving

Adult Guidance with Question Prompts

Children learn about 'finding the difference' as a method of subtraction. Children will work in pairs. They will each need a dice and a number line to ten. Children could use ten-sided dice for additional challenge. For support, children could build towers of cubes to match their score before using the number line.

What number did you roll?

What number did your partner roll?

Can you mark both numbers on the number line?

Which is the greatest/smallest number?

Can you jump from one number to the other?

Does it matter which way we jump?

What is the difference between your scores?

How many more/less did you score?

For support:

Can you build a tower with that number of cubes?

Compare towers with your friend. Whose tower has most?

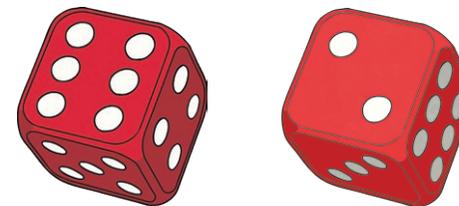
Whose has least?

Subtraction – Finding the Difference



Work with a partner.

Both players roll their dice.



Mark both scores on the number line. Find the difference between them.



Compare your scores using sentences like this:

The difference between _____ and _____ is _____.

I have scored _____ more than my friend.

I have scored _____ less than my friend.

Have 5 goes at this activity.

Diving into Mastery – Deeper

Adult Guidance with Question Prompts

Children learn about 'finding the difference' as a method of subtraction. They use clues to reason about the ages of children from a family. They use number lines and cubes to support their calculations.

Children will need cubes to make towers, number lines to ten and a dice.

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

How old is Jian?

What age is four years more than five years old?

Can you use a number line or cubes to find out?

Who is older – Jian or Lin?

If you know Lin's age, how can you work out Bo's age?

How old are you?

Roll a dice. Can you find the difference between the number you rolled and your own age?

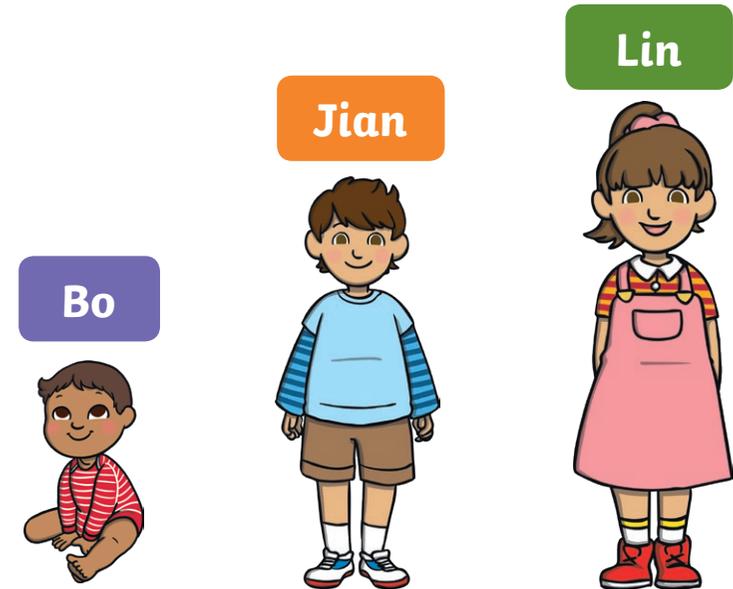
Will you use cubes or a number line to help you?

Explain your method.

Subtraction – Finding the Difference



Three siblings are giving clues about their ages.



Jian is 5.

Lin's age is 4 years more than Jian's.

The difference between the oldest and youngest is 7 years.

How old are Bo and Lin?

Use cubes to make towers that represent their ages.

Roll a dice and find the difference between the number and your age. Do this five times.

Diving into Mastery – Deepest

Adult Guidance with Question Prompts

Children solve problems to do with finding the difference. They may use cubes or number lines to support them.

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?

Can you see a pattern?

Can you explain what you have noticed?

Subtraction – Finding the Difference



Can you solve these puzzles?

2, 6, 7, 9, 10

Which two of these numbers have a difference of 5?

Think of three more pairs of numbers that have a difference of 5.

