Ready-to-go Lesson Slides Year 2

Fractions
Lesson 7

Spr4

At Third Space Learning we provide personalised online lessons from specialist maths tutors to support the target groups in your school.

These ready-to-go slides are designed to work alongside our interventions to supplement quality first teaching and raise attainment in maths for all pupils.

To find out more about how you could use our 1-to-1 interventions year-round to boost maths progress in your school then get in touch:

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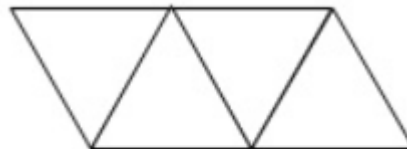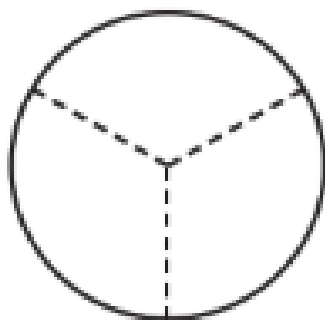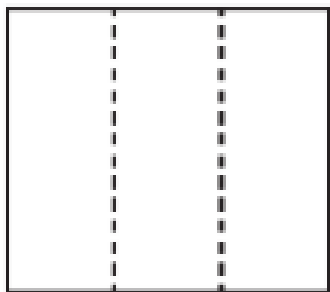hello@thirdspacelearning.com

Boosting maths progress through 1-to-1 conversations…

THIRD SPACE LEARNING

To find a third

STARTER:

Which is the odd one out? Why?

Success Criteria:
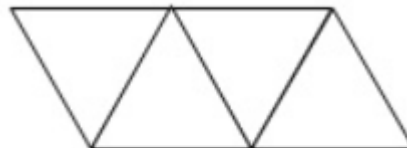
Mastery:
I can find a third of a quantity.
Greater Depth:
I can use knowledge of division to explore finding a third with concrete resources and pictorial representations.

To find a third

<u>**STARTER:**</u>

Which is the odd one out? Why?

Example answer: The third shape is the odd one out because it is split into four equal parts. The other shapes are split into thirds.

To find a third

TALKING TIME:

Complete the sentences – you can use cubes to help you make three equal groups if needed.

There are _____ cubes altogether.
One third of _____ is _____.
$\frac{1}{3}$ of ____ is _____

Success Criteria:

Mastery:
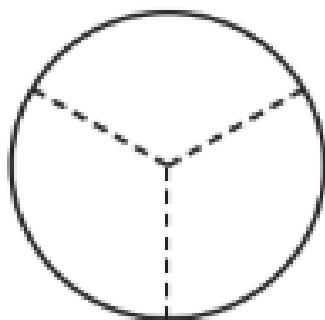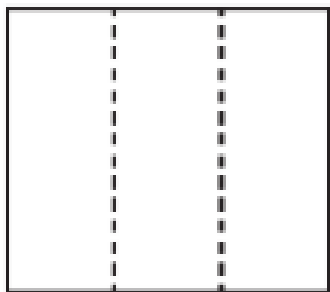I can find a third of a quantity.
Greater Depth:
I can use knowledge of division to explore finding a third with concrete resources and pictorial representations.

To find a third

TALKING TIME:

Complete the sentences – you can use cubes to help you make three equal groups if needed.

Success Criteria:

Mastery:
I can find a third of a quantity.
Greater Depth:
I can use knowledge of division to explore finding a third with concrete resources and pictorial representations.

There are 6 cubes altogether.
One third of 6 is 2
$\frac{1}{3}$ of 6 is 2

To find a third

TALKING TIME:

Complete the sentences – you can use cubes to help you make three equal groups if needed.

There are _____ cubes altogether.
One third of _____ is _____.
$\frac{1}{3}$ of ___ is _____

Success Criteria:

Mastery:
I can find a third of a quantity.
Greater Depth:
I can use knowledge of division to explore finding a third with concrete resources and pictorial representations.

To find a third

TALKING TIME:

Complete the sentences – you can use cubes to help you make three equal groups if needed.

Success Criteria:

Mastery:
I can find a third of a quantity.
Greater Depth:
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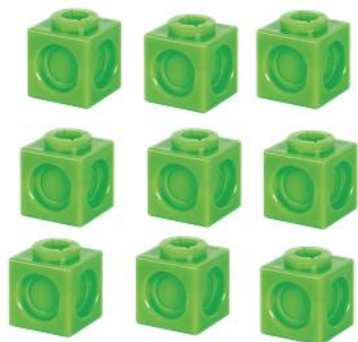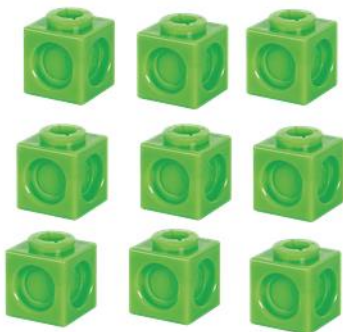There are 9 cubes altogether.
One third of 9 is 3
$\frac{1}{3}$ of 9 is 3

To find a third

ACTIVITY 1:

Complete the sentences – you can use cubes to help you make three equal groups if needed.

There are _____ cubes altogether.
One third of _____ is _____.
$\frac{1}{3}$ of ___ is _____

Success Criteria:

Mastery:
I can find a third of a quantity.
Greater Depth:
I can use knowledge of division to explore finding a third with concrete resources and pictorial representations.

Extension:
How many other numbers can you split into three equal groups?

To find a third

ACTIVITY 1:

Complete the sentences – you can use cubes to help you make three equal groups if needed.

There are 12 cubes altogether.
One third of 12 is 4
$\frac{1}{3}$ of 12 is 4

Success Criteria:

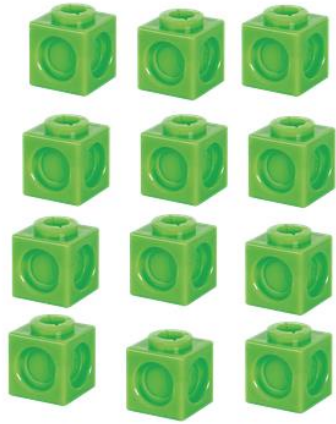**Mastery:**
I can find a third of a quantity.
Greater Depth:
I can use knowledge of division to explore finding a third with concrete resources and pictorial representations.

Extension:
How many other numbers can you split into three equal groups?

To find a third

TALKING TIME:

Ian is sorting out his toys. He donates $\frac{1}{3}$ of his cars to charity. How many does he have left?

Success Criteria:

Mastery:
I can find a third of a quantity.
Greater Depth:
I can use knowledge of division to explore finding a third with concrete resources and pictorial representations.
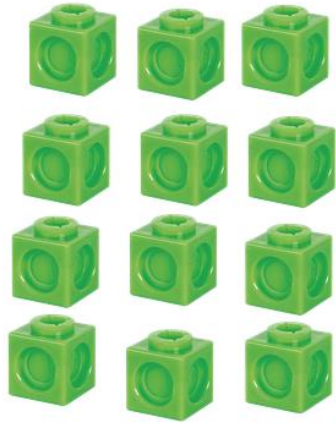
To find a third

TALKING TIME:

Ian is sorting out his toys. He donates $\frac{1}{3}$ of his cars to charity. How many does he have left?

One third of 3 = 1. Ian donates 1 car to charity so he has two left.

To find a third

TALKING TIME:

Ian is sorting out his toys. He donates $\frac{1}{3}$ of his cars to charity. How many does he have left?

Success Criteria:

Mastery:
I can find a third of a quantity.
Greater Depth:
I can use knowledge of division to explore finding a third with concrete resources and pictorial representations.

To find a third

TALKING TIME:

Ian is sorting out his toys. He donates $\frac{1}{3}$ of his cars to charity. How many does he have left?

One third of 6 = 2. Ian donates 2 cars to charity so he has 4 left.

To find a third

ACTIVITY 2:

Ian is sorting out his toys. He donates $\frac{1}{3}$ of his cars to charity. How many does he have left?

Success Criteria:

Mastery:
I can find a third of a quantity.
Greater Depth:
I can use knowledge of division to explore finding a third with concrete resources and pictorial representations.

Extension:
Can you draw a picture to represent the fractions?

To find a third

ACTIVITY 2:

Ian is sorting out his toys. He donates $\frac{1}{3}$ of his cars to charity. How many does he have left?

One third of 9 = 3. Ian donates 3 cars to charity so he has 6 left.

Success Criteria:

Mastery:
I can find a third of a quantity.
Greater Depth:
I can use knowledge of division to explore finding a third with concrete resources and pictorial representations.

Extension:
Can you draw a picture to represent the fractions?

To find a third

TALKING TIME:

What is $\frac{1}{3}$ of 6?

To find a third

TALKING TIME:

What is $\frac{1}{3}$ of 6?   2

Success Criteria:

Mastery:
I can find a third of a quantity.
Greater Depth:
I can use knowledge of division to explore finding a third with concrete resources and pictorial representations.

To find a third

TALKING TIME:

What is $\frac{1}{3}$ of 9?

Success Criteria:

Mastery:
I can find a third of a quantity.
Greater Depth:
I can use knowledge of division to explore finding a third with concrete resources and pictorial representations.

To find a third

TALKING TIME:

What is $\frac{1}{3}$ of 9?   3

Success Criteria:

Mastery:
I can find a third of a quantity.
Greater Depth:
I can use knowledge of division to explore finding a third with concrete resources and pictorial representations.

To find a third

ACTIVITY 3:

What is $\frac{1}{3}$ of 12?

What is $\frac{1}{3}$ of 15?

What is $\frac{1}{3}$ of 18?

What is $\frac{1}{3}$ of 21?

Success Criteria:

Mastery:
I can find a third of a quantity.
Greater Depth:
I can use knowledge of division to explore finding a third with concrete resources and pictorial representations.

Extension:
Do you notice a pattern in the answers? Can you continue it?

To find a third

ACTIVITY 3:

What is $\frac{1}{3}$ of 12? 4

What is $\frac{1}{3}$ of 15? 5

What is $\frac{1}{3}$ of 18? 6

What is $\frac{1}{3}$ of 21? 7

Success Criteria:

Mastery:
I can find a third of a quantity.
Greater Depth:
I can use knowledge of division to explore finding a third with concrete resources and pictorial representations.

Extension:
Do you notice a pattern in the answers? Can you continue it?

To find a third

ACTIVITY 4:

Vince has a piece of ribbon. One third of his ribbon
is 4cm. What would half of his ribbon be?

4cm		

Success Criteria:

Mastery:
I can find a third of a
quantity.
Greater Depth:
I can use knowledge of
division to explore
finding a third with
concrete resources
and pictorial
representations.

To find a third

ACTIVITY 4:

Vince has a piece of ribbon. One third of his ribbon is 4cm. What would half of his ribbon be?

4cm		

One third of 12cm is 4cm. Therefore his ribbon is 12cm. Half of 12 is 6cm.

To find a third

EVALUATION:

Janet is thinking of a number. One third of her number is greater than 5 but smaller than 8. What could her number be?

Success Criteria:

Mastery:
I can find a third of a quantity.
Greater Depth:
I can use knowledge of division to explore finding a third with concrete resources and pictorial representations.

To find a third

EVALUATION:

Janet is thinking of a number. One third of her number is greater than 5 but smaller than 8. What could her number be?

18, 21

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