Maths 22-1-21   Year 3 and 4

LO: I can describe a third as one of three equal parts

Children apply understanding of fractions to finding thirds. They continue to use the language of 'whole' and 'equal parts' and understand that **one third is equal to one part out of three equal parts**.

They write one third as a fraction and explain what each of the digits represents in the fractional notation.

Varied Fluency Questions:

1.

Shade $\frac{1}{3}$ of each shape.

What is the same? What is different?

2.

Which shapes represent one third?

Explain why the other circles do not represent one third.

3.

Rosie is organising her teddy bears.
She donates $\frac{1}{3}$ of them to charity.
How many bears does she have left?

4.

Complete:

$\frac{1}{3}$ of 9 = ☐ $\frac{1}{3}$ of 15 = ☐

$\frac{1}{3}$ of 12 = ☐ $\frac{1}{3}$ of 18 = ☐

Reasoning and Problem-Solving Questions:

5.

Dora says,

> I have one third of a pizza because I have one slice and there are three slices left.

Do you agree? Explain your reasoning.

6.

Alex, Annie and Whitney each show a piece of ribbon.

Whitney shows $\frac{1}{2}$ of her whole ribbon.

Alex shows $\frac{1}{4}$ of her whole ribbon.

Annie shows $\frac{1}{3}$ of her whole ribbon.

Whose whole piece is the longest?
Whose is the shortest?
Explain why.

7.

Annie has a piece of ribbon.

She cuts it into three equal parts.

One third of the ribbon is 6 cm long.

How long would half the ribbon be?

8.

Ron is thinking of a number.

One third of his number is greater than 8 but smaller than 12.

What could his number be?