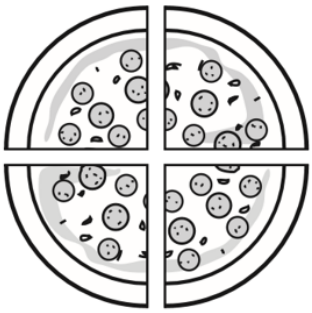
Year 2 Task:

Objectives:

Recognise, name and write fractions ¼, 2/4 and ¾ of an object.

Write simple fractions and recognise the equivalence of ½ and 2/4.



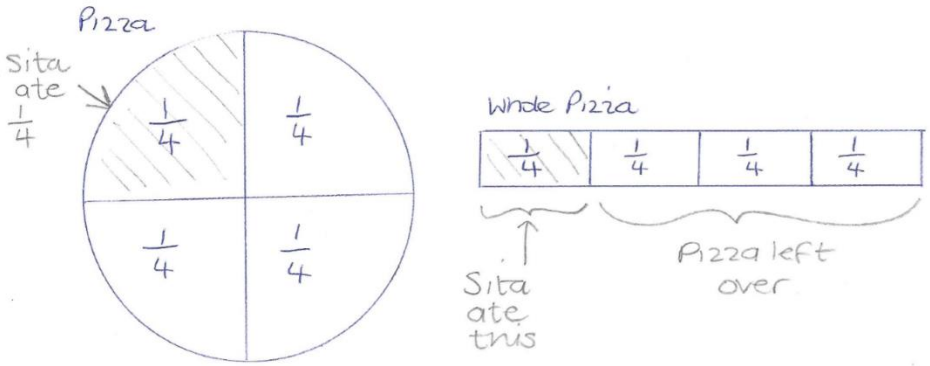
Sita cuts a pizza into four equal slices.

She eats one slice.

What fraction of the pizza does she eat?

What fraction of the pizza is left over?

Worked example:



Sita ate ¼ of the whole pizza.
There was ¾ of the pizza left.

Variation:

- What fraction of the whole pizza would Sita have eaten if she had two pieces? What fraction of the whole pizza would be left?
- If there had been only ¼ of the whole pizza left, how much would Sita have eaten?
- Sam and Ben both order the same sized pizza. Sam cuts his pizza into 4 equal pieces and eats two pieces. Ben cuts his pizza into two equal pieces and eats of them. Sam says he has eaten the most pizza as he has eaten 2 pieces and Ben has only eaten one piece. Is he right? Explain your thinking.
- Could you find a way to share 3 pizzas between 4 people?

Solutions:

- If Sita had eaten two pieces of the pizza, she would have eaten half of the pizza and there would be half left. You could also say that she has eaten two quarters and there are two quarters left. Two quarters is equivalent to a half.
- If there was ¼ of the whole pizza left, Sita would have eaten ¾.
- Ben would be wrong. Although Sam has eaten two pieces, they are smaller than the one piece that Ben ate. As the pizzas were both the same size, cutting one into 4 pieces means each piece is a quarter. Cutting one into 2 pieces means each piece is a half. When we compare things of the same size, two quarters is equivalent to a half.
- If you cut each pizza into 4 equal pieces, and give each person a quarter of each pizza, they would all have the same amount. They would all have one quarter from three pizzas, so they would have all had ¾ of a pizza.