

Year 3 What Fraction is Shaded?

Lesson Guidance

Learning Outcomes and Glossary

Learning Objective

- Your child will learn how to identify what fraction of a representation is shaded. Shapes are divided into equal parts and a variety of different shapes are used.

Glossary

- Representation** – A number or fraction that has been shown in different ways. For example, a shape split into a number of equal parts.
- Numerator** – The top part of a fraction. It shows how many parts of the whole are being considered.
- Denominator** – The bottom part of a fraction. It shows how many equal parts the whole has been split into.
- Unit Fraction** – A fraction where the numerator is 1. For example, $\frac{1}{4}$.
- Non-Unit Fraction** – A fraction where the numerator is not 1. For example, $\frac{3}{4}$.

Learning

Video – What Fraction is Shaded?

- The aim of this video tutorial is to show children how to identify how much of a fraction is shaded.
- Throughout the video, there are a number of questions for children to answer. You will need to pause the video at these points to allow children time to answer.
- After watching the video, children could create their own representations by drawing different shapes and dividing them into equal parts.

Practise

Worksheet

- Complete the worksheet using the shapes provided. You could create your own representations using counters or other objects to show how much of the fraction is shaded.

Interactive Game

- There are five questions to answer on this interactive game. Each question split into two parts ('a' and 'b') where the second part is a reasoning question to support children's explanation methods. Children will demonstrate their knowledge of fractions by identifying the fractions shaded, making comparisons and how much more needs to be added to make a whole.