

YR1 FRACTIONS KNOWLEDGE ORGANISER

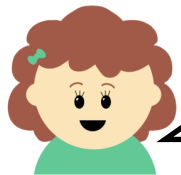
Key Concepts

- recognise, find and name a half as one of two equal parts of an object, shape or quantity.
- recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.

It is not necessary for Year 1 children to use fraction notation of $\frac{1}{2}$ or $\frac{1}{4}$.

Recognising Half

Shapes and objects make a simple introduction to the concept of half. Understanding that half is made by splitting the whole into two equal parts is crucial. Explaining why a shape hasn't been split in half is as important as identifying those that have.



The cake isn't split in half as the top has all of the cherry and the bottom has none.

Find Half

When finding half of a quantity it is necessary to know the total number and begin by sharing objects into 2 equal groups.

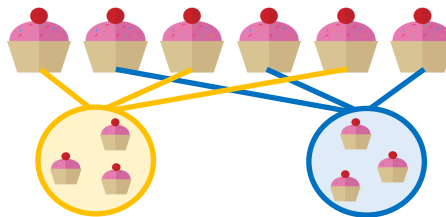
For example, half of 6...

Key Vocabulary

- Equal
- Whole
- Parts
- Half/ halve
- Quarter
- Share



| Half | Not half |
|------|----------|
| | |
| | |

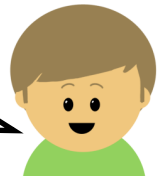


Recognising a Quarter

Similar to recognising half, shapes and objects are used to find quarters, knowing that they must be split into 4 equal parts.

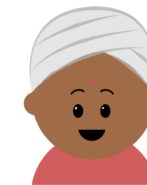
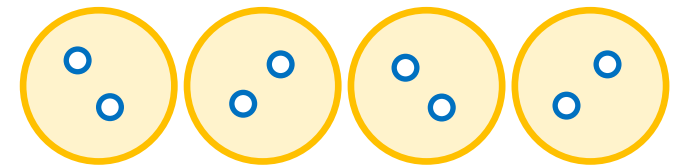


Only the second circle has been split into quarters. The others are not equal.



Finding a Quarter

Sharing practically between 4 is the first step to finding a quarter of objects. The objects can then be drawn around once confidence has grown.



I have 8 biscuits altogether. One quarter of 8 is 2.

Finding a Quarter in Capacity

The word quarter is also used in capacity to describe when a container is a quarter full.

