

What is a pie chart?

A pie chart displays information (data) using a circle.

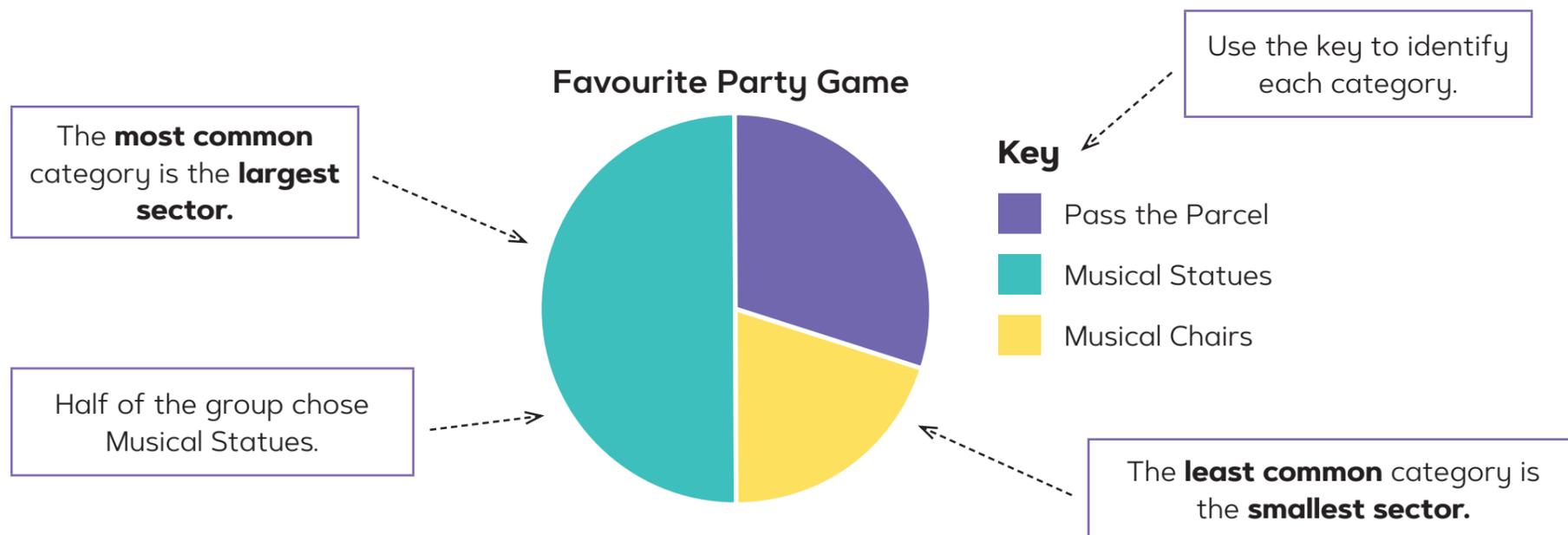
The circle is made up of **sectors**, and each of these sectors represents a category.

Why use a pie chart?

We use a pie chart to **compare data as a proportion of the whole**.

It is easy to see on a pie chart which is the most and/or least common category.

How to interpret a pie chart



To interpret a pie chart with equal divisions marked

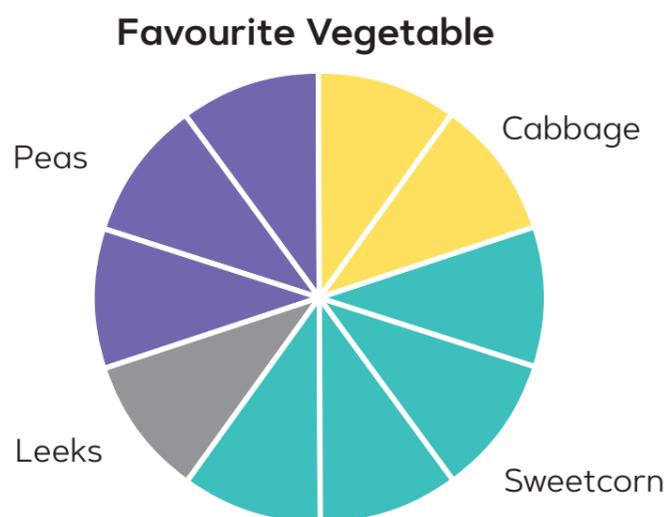
1. Count the divisions in the full circle
2. Count the divisions in the category you need
3. Write this as a fraction of the whole amount
4. Calculate this fraction of the total number

For example, how many of the 200 people prefer cabbage?

Cabbage has 2 parts out of the full 10 parts.

Therefore, the fraction who prefer cabbage is: $\frac{2}{10} = \frac{1}{5}$

The number who prefer cabbage is: $\frac{1}{5}$ of 200 = $200 \div 5 = 40$



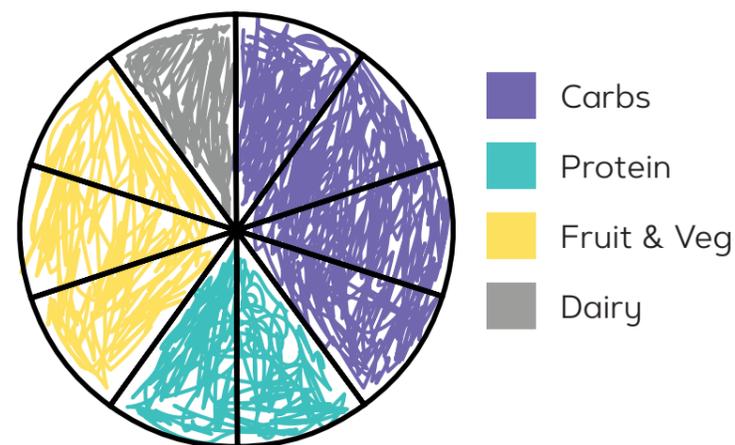
How to draw pie charts on a template with divisions

Composition of a Meal

Food Type	Parts
Carbs	4
Protein	2
Fruit & Veg	3
Dairy	1
Total	10

1. Find the total number of parts.
2. Choose a template with that number of divisions.
3. Use different colours to shade the number of parts for each type.
4. Include a **title** and a **key**.

Composition of a Meal



Level 3

Identify the most/least common from a simple pie chart.

Level 4

List the categories in order from the most to the least likely. Recognise $\frac{1}{2}$ and $\frac{1}{4}$ of the pie chart.

Level 5

Calculate the fraction of/frequency for a sector from a pie chart showing equal divisions.