

Year 6 Pie Charts with Percentages – Guidance for Parents/Carers

Activity:

The aim of this activity is for children to practise using percentages with pie charts. There are three questions to complete. The first two questions allow children to practise the skill, while the third question extends them as they have to problem solve and explain their answer.

Vocabulary:

A **pie chart** shows how something is divided into parts. Each slice of the pie represents a category. The bigger the slice, the higher the proportion of the data.

Supporting resources:

You can watch a video tutorial about pie charts and percentages on kids.classroomsecrets.co.uk >> **Year 6** >> **Maths** >> **Statistics** >> **Video Tutorials**.

Other resources:

If your child enjoyed this activity and wants to try more activities linked to this learning, you can sign up for £4.83 per month on classroomsecrets.co.uk/membership.

Check out our daily timetable for Year 6 home learning activities on kids.classroomsecrets.co.uk >> Home Learning Timetable.

Pie Charts with Percentages

1. False. Out of 200 children, $5\% = 10$ children, $10\% = 20$ children, $20\% = 40$ children. Therefore, 40 children (20%) voted for myths and legends and 50 children (25%) voted for science fiction. 10 more children voted for science fiction than myths and legends.
2. Nadia is correct because 30% of $120 = 36$ and 5% of $120 = 6$ therefore 35% of $120 = 42$. Cheng is incorrect because 20% of $120 = 24$ not 25.
3. 15% of the children are in year 3. There are 27 children in Year 3, 36 children in Year 4, 27 children in Year 5, 45 children in Year 6, and 45 children in Year 5/6.