Reading pie charts

Grade 2 | Foundation | 5 questions, 20 marks

GCSE Statistics topic practice

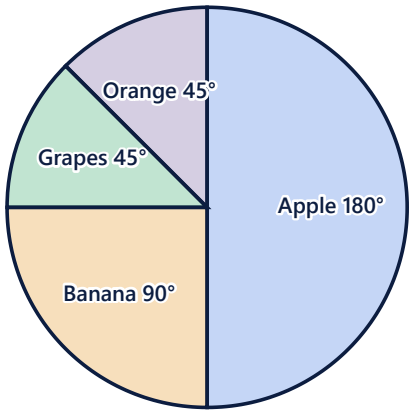
Name: _____ **Date:** _____ **Score:** _____ **/ 20**

1 40 pupils were asked to name their favourite fruit. The pie chart shows the results.

a. Write down the most popular fruit. (1)

b. What fraction of the pupils chose Banana? (1)

c. Work out the number of pupils who chose Apple. (1)



(3 marks)

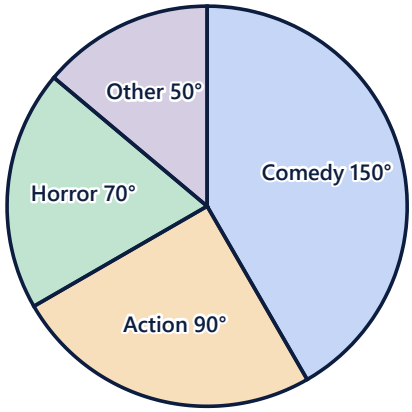
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2 72 people were asked to name their favourite type of film. The pie chart shows the results.

a. Write down the type of film that is the mode. (1)

b. What fraction of the people chose Action? (1)

c. Work out the number of people who chose Horror. (2)



(4 marks)

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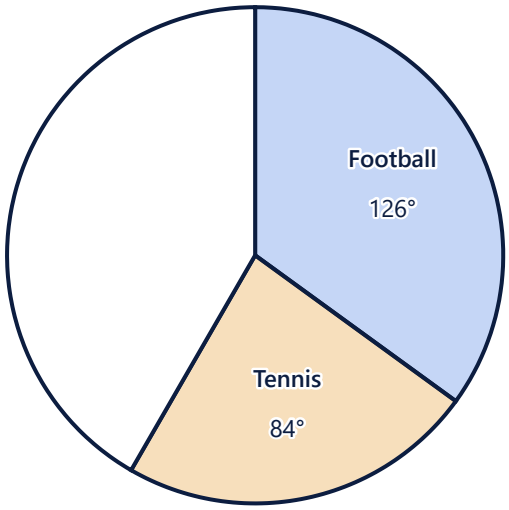
3 60 members of a sports club each chose their favourite sport. Jo starts to draw a pie chart of the results.

The sectors for Football and Tennis have been drawn. 10 members chose Badminton. The rest of the members chose Swimming.

a. Work out the angle of the sector for Badminton. (2)

b. Complete the pie chart. Label each sector. (1)

c. Work out the number of members who chose Football. (1)



(4 marks)

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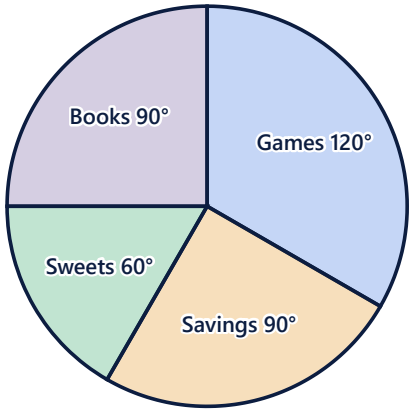
4 The pie chart shows how Dylan spent his birthday money.

Dylan spent £12 on Games.

a. Work out the total amount of birthday money Dylan had. (2)

b. Work out how much Dylan spent on Sweets. (1)

c. Dylan says, "I saved more than a quarter of my money."
Is Dylan correct? Give a reason for your answer. (1)



(4 marks)

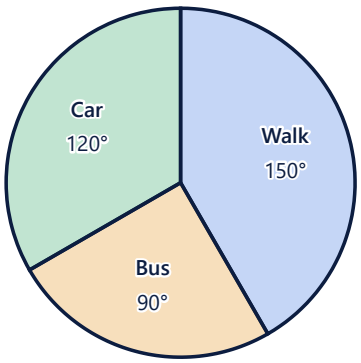
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5 The pie charts show how the pupils at two schools travel to school.

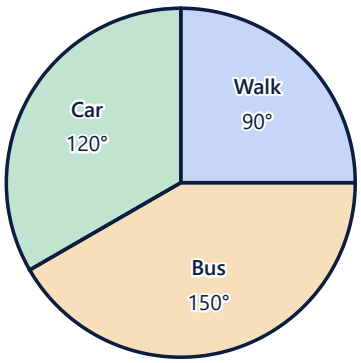
School A has 120 pupils. School B has 360 pupils.

a. Write down the school where a bigger fraction of the pupils walk. (1)

b. Tom says, "More pupils walk to School A than walk to School B because the Walk sector is bigger for School A."
Is Tom correct? You must show your working. (4)



School A (120 pupils)



School B (360 pupils)

(5 marks)

End of questions | Total 20 marks

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