JRA Tutors
Private tuition and small online Study Pods

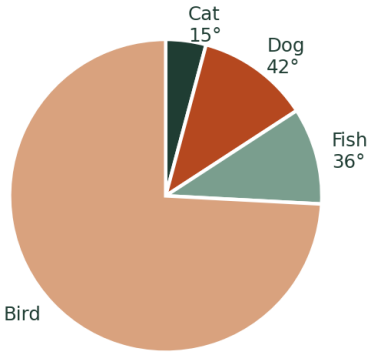
Pie Charts

Grade 2 topic · Foundation and Higher · Edexcel and AQA

How to use this pack
20 questions that get harder as you go. Foundation students: aim for Questions 1–15 (40 marks) and have a go at the rest. Higher students: complete all 20. Show your working on the lines and write your final answer on the answer line, then mark yourself with the answers at the back. Diagrams are not drawn accurately. Total: 60 marks.

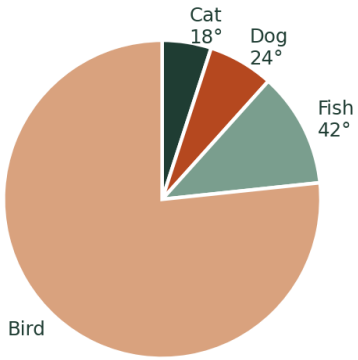
Warm-up

1 120 people were asked about their favourite pet. The pie chart shows the results. Work out the number of people who chose Cat. **[2 marks]**



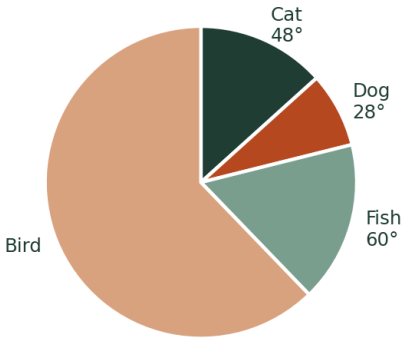
Answer _____

2 60 people were asked about their favourite pet. The pie chart shows the results. Work out the number of people who chose Dog. **[2 marks]**



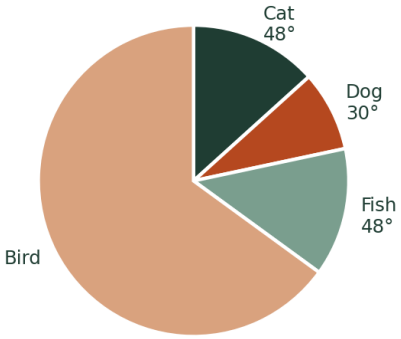
Answer _____

3 90 people were asked about their favourite pet. The pie chart shows the results. Work out the number of people who chose Fish. **[2 marks]**



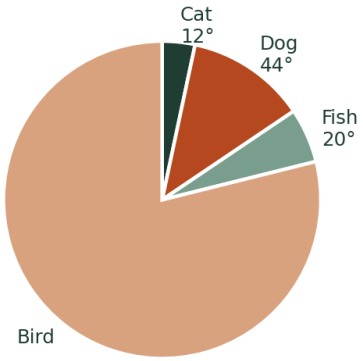
Answer _____

4 60 people were asked about their favourite pet. The pie chart shows the results. Work out the number of people who chose Cat. **[2 marks]**



Answer _____

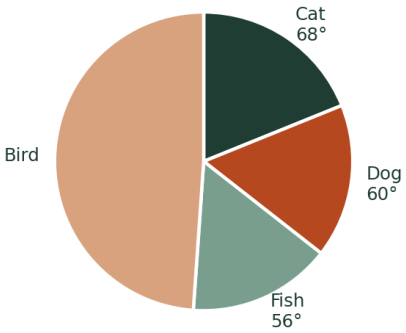
5 90 people were asked about their favourite pet. The pie chart shows the results. Work out the number of people who chose Cat. **[2 marks]**



Answer _____

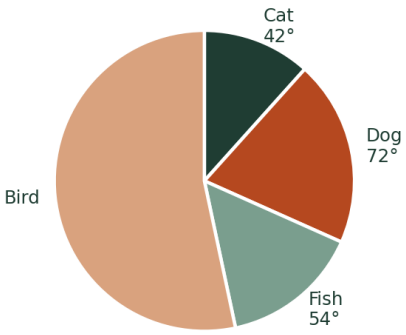
Core

6 90 people were asked about their favourite pet. Work out the size of the angle for the 'Bird' sector. **[3 marks]**



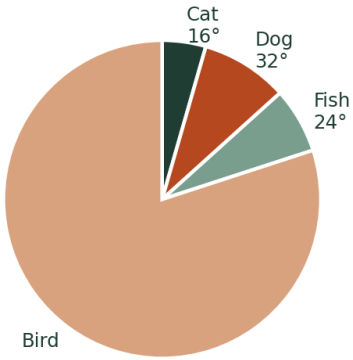
Answer _____

7 60 people were asked about their favourite pet. Work out the size of the angle for the 'Bird' sector. **[3 marks]**



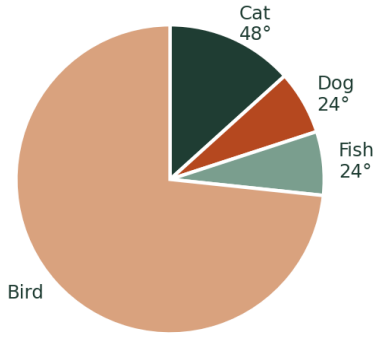
Answer _____

8 90 people were asked about their favourite pet. Work out the size of the angle for the 'Bird' sector. **[3 marks]**



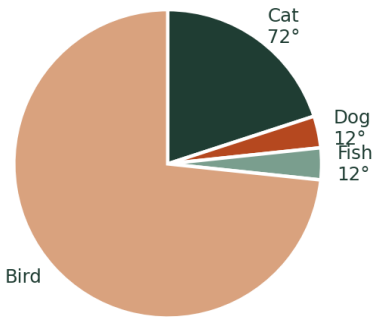
Answer _____

9 45 people were asked about their favourite pet. Work out the size of the angle for the 'Bird' sector. **[3 marks]**



Answer _____

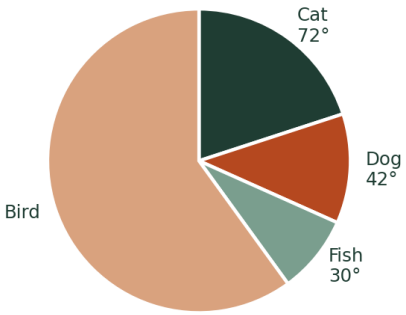
10 90 people were asked about their favourite pet. Work out the size of the angle for the 'Bird' sector. **[3 marks]**



Answer _____

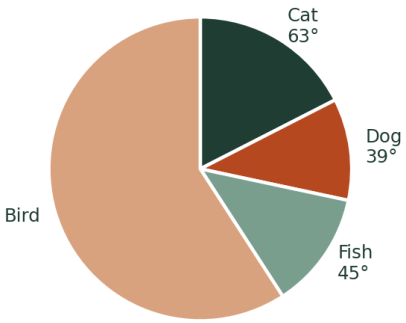
Stretch

11 The pie chart shows the favourite pets of 60 people. How many people chose Bird? **[3 marks]**



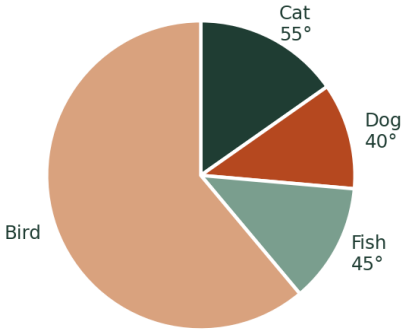
Answer _____

12 The pie chart shows the favourite pets of 120 people. How many people chose Bird? **[3 marks]**



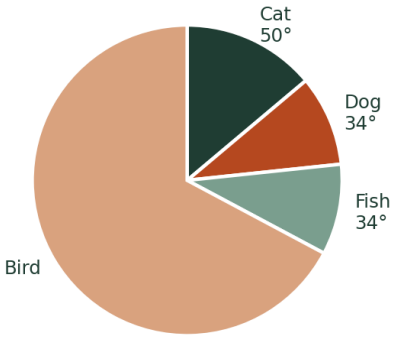
Answer _____

13 The pie chart shows the favourite pets of 72 people. How many people chose Bird? **[3 marks]**



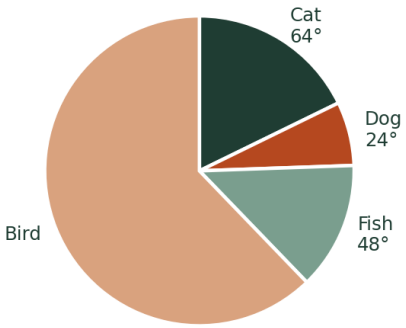
Answer _____

14 The pie chart shows the favourite pets of 180 people. How many people chose Bird? **[3 marks]**



Answer _____

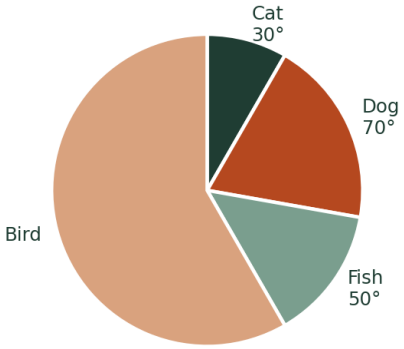
15 The pie chart shows the favourite pets of 90 people. How many people chose Bird? **[3 marks]**



Answer _____

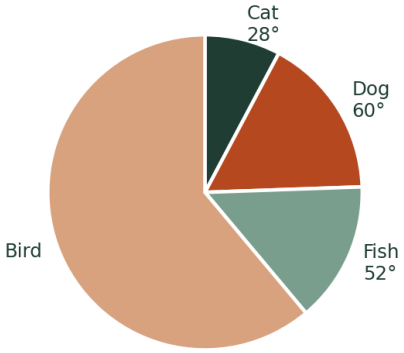
Challenge

16 The pie chart shows the favourite pets of 36 people. What fraction of the people chose Dog? Give your answer in its simplest form, then work out how many more chose Dog than Fish. **[4 marks]**



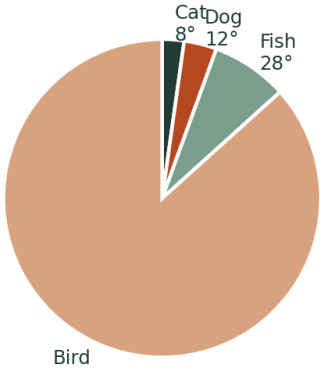
Answer _____

17 The pie chart shows the favourite pets of 90 people. What fraction of the people chose Dog? Give your answer in its simplest form, then work out how many more chose Dog than Fish. **[4 marks]**



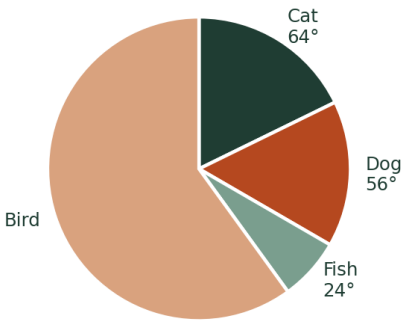
Answer _____

18 The pie chart shows the favourite pets of 180 people. What fraction of the people chose Dog? Give your answer in its simplest form, then work out how many more chose Dog than Fish. **[4 marks]**



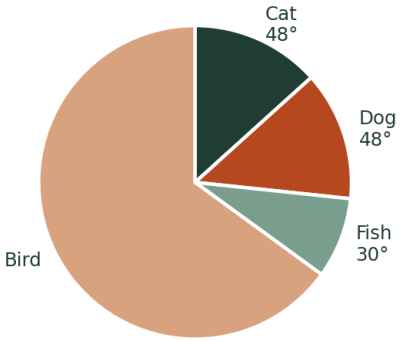
Answer _____

19 The pie chart shows the favourite pets of 45 people. What fraction of the people chose Dog? Give your answer in its simplest form, then work out how many more chose Dog than Fish. **[4 marks]**



Answer _____

20 The pie chart shows the favourite pets of 60 people. What fraction of the people chose Dog? Give your answer in its simplest form, then work out how many more chose Dog than Fish. **[4 marks]**



Answer _____