FUNCTIONAL SKILLS MATHEMATICS

AQA | Edexcel | City & Guilds | Open Awards | NCFE | Highfield

Level 1

Pie Charts

Materials
- You **cannot** use a calculator for **questions** with this symbol.
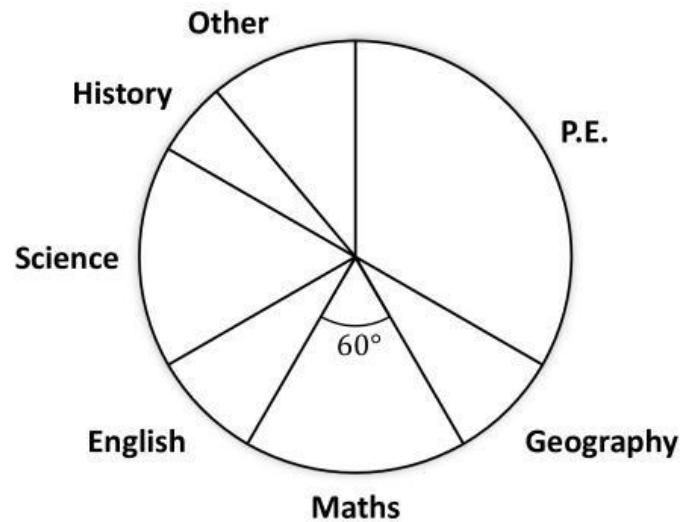
Instructions
- Answer **all** questions.
- Answer questions on separate paper.

Information and Advice
- The marks for each question are shown in brackets – use this as a guide on how long to spend on each question.
- Read each question carefully before you answer it.
- Check you answers.

Q1 Mrs Collins has asked her class what their favourite subject is.

She represents this data in a pie chart.

1(a) Which subject was the most popular among the students?

[1 mark]

1(b) What fraction of the students said their favourite subject was maths?

[2 marks]

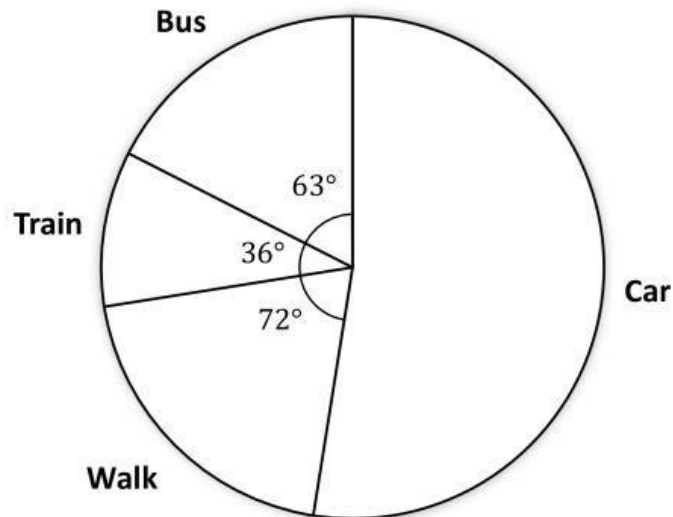**Q2** A café records the sales of 5 different types of soup in one week.

Soup	Amount Sold	Angle
Tomato	27	108°
Chicken	18	
Minestrone	9	
Carrot & Coriander	11	
Vegetable	25	

Complete the table and draw a pie chart for this information.

[4 marks]

7

Turn over ▶

LIVEWORKSHEETS

Q3   The pie chart below shows information about what mode of transport employees of a company take to get to work.

3(a)   Which mode of transport is the least common among the employees?

[1 mark]

3(b)   What is the angle of the car section of the pie chart?

[1 mark]

3(c)   What fraction of employees go on the train to get to work?

[2 marks]

3(d)   If there are 40 employees at the company, how many walk to work?

[2 marks]

6

LIVEWORKSHEETS

Q4   A couple are getting married and want to know the ages of all the guests.

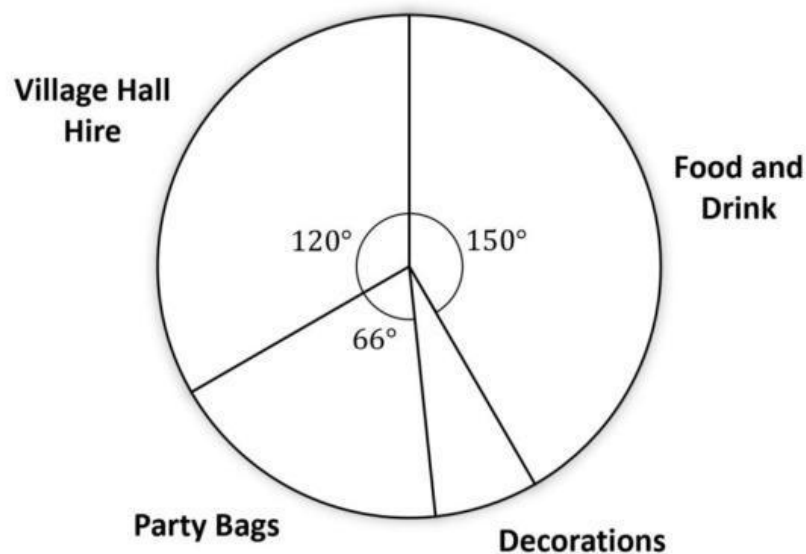The table below shows information about the ages of guests coming to the wedding.

Age (years)	Number of Guests
0 − 10	5
11 − 18	7
19 − 35	17
36 − 55	21
Above 55	10

Draw a pie chart to represent this data.

[4 marks]

Q5   The pie chart below shows data on money spent at a children's birthday party.

5(a)   Which expense was the most money spent on?

[1 mark]

5(b)   What percentage of the total amount spent was spent on party bags?

[2 marks]

5(c)   If the total amount spent was £120, how much was spent on decorations?

[3 marks]

10

Turn over ►

Q6   A random selection of people are asked what their season is.

The results of this survey are shown in the table below.

Season	Number of People
Winter	14
Spring	20
Summer	48
Autumn	8

Draw a pie chart to represent this data.

[4 marks]

4

LIVEWORKSHEETS