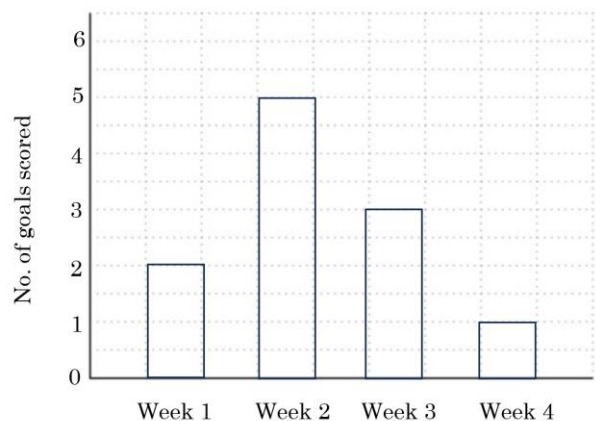




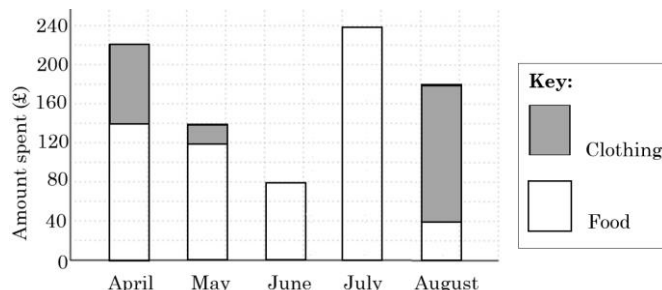
## Bar Charts Exam Practice

Q1. The bar chart below shows the number of goals scored by a football team over a month.



- a) Work out the mean number of goals scored per week. [2]
- b) For what fraction of the weeks were the number of goals scored less than 3? [2]

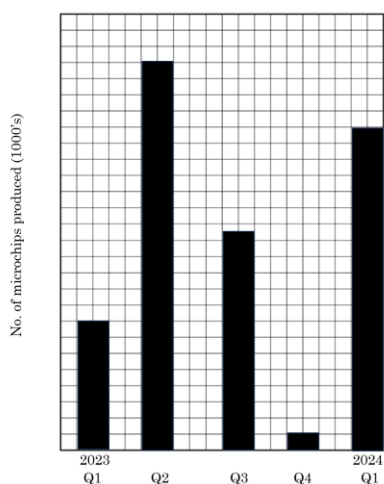
Q2. The chart shows the amount of money spent on clothing and food by a household in 5 months of the year.



In June, no money was spent on Food. In July, £180 was spent on clothing.

- a) Complete the bar chart. [2]
- b) What proportion of the household's expenses were on food for the entire time period shown? [3]

Q3. The no. of balls produced by a factory each quarter are shown below:



- a) For 2023, what % of the balls were produced during the first two quarters? [2]

- b) How many more balls were produced in Q3 than Q4? [2]
- c) The boss claims that 2024 will be a more productive year than 2023. Do you agree? Explain your choice. [1]

Q4. Stuart asks his classmates what their favourite colour is. The results are as follows:

Orange	Yellow	Blue	Red
Red	Blue	Yellow	Green
Red	Green	Green	Yellow
Purple	Orange	Red	Blue

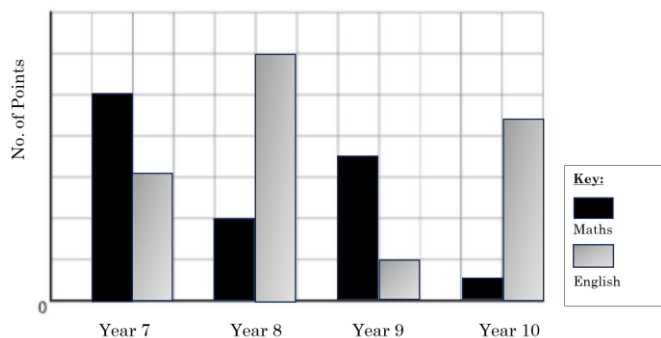
Draw a bar chart on the grid below.



[4]



Q5. The graph compares the mean score of pupils who have had an English & Maths test in years 7, 8, 9 & 10. The mean score for year 8's in maths was 20 points.

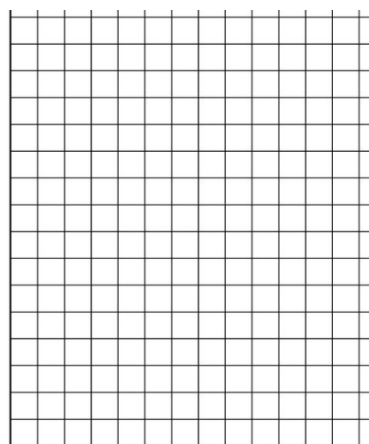


- Find the mean score of the year 10 students for the English test. [2]
- In which year groups do pupils do better in the English test? [2]

Q6. Pupils in year 10 and year 11 were asked what their favourite type of film was:

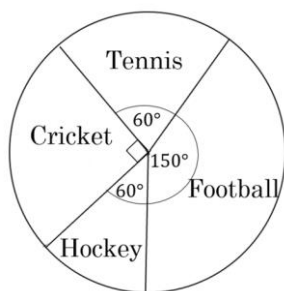
	Adventure	Comedy	Horror	Sci-Fi
Year 10	16	24	8	20
Year 11	12	28	10	28

Draw a suitable bar-chart to display this information on the grid below [4]



Which category of film do year 10 and year 11 have the biggest difference of opinion? [1]

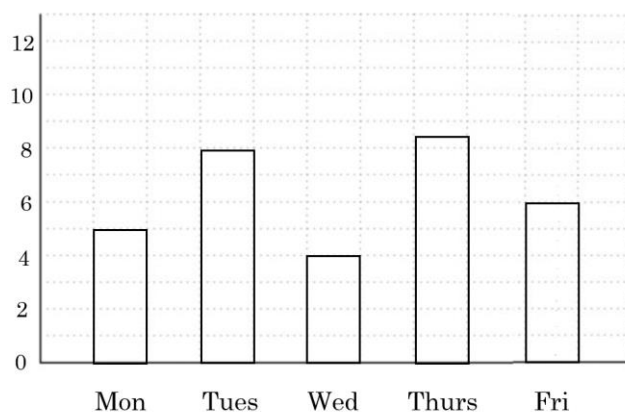
Q7. A group of students were asked which is their favourite sport:



20 students chose tennis. Use the pie chart to draw a bar chart for this info. [5]



Q8. The bar chart shows the no. of cars sold at a local garage during Monday to Friday.



Explain what two mistakes have been made in this graph.

[2]