JP Maths Revision

Attempt the paper before watching the solutions!

https://www.youtube.com/@JPMathsRevision

FOUNDATION TIER

Bar Charts

INSTRUCTIONS

- Use **black ink** or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided – *there may be more space than you need.*
- You must **show all your working.**
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- If your calculator does not have a π button, take the value of π to be 3.142 unless the question instructs otherwise.



INFORMATION

- The marks for **each** question are shown in brackets– *use this as a guide as to how much time to spend on each question.*



ADVICE

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.

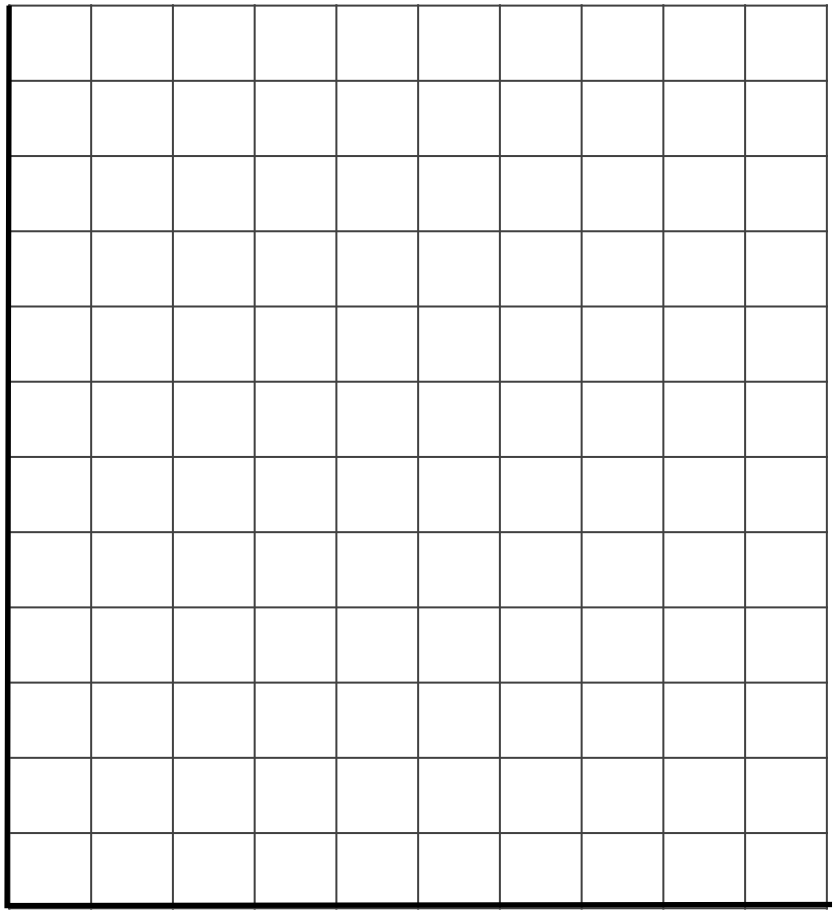


You've got this!

1. The table shows the favourite pets of 30 students.

Pet	Frequency
Dog	12
Cat	9
Rabbit	6
Fish	3

Draw a bar chart for this information.

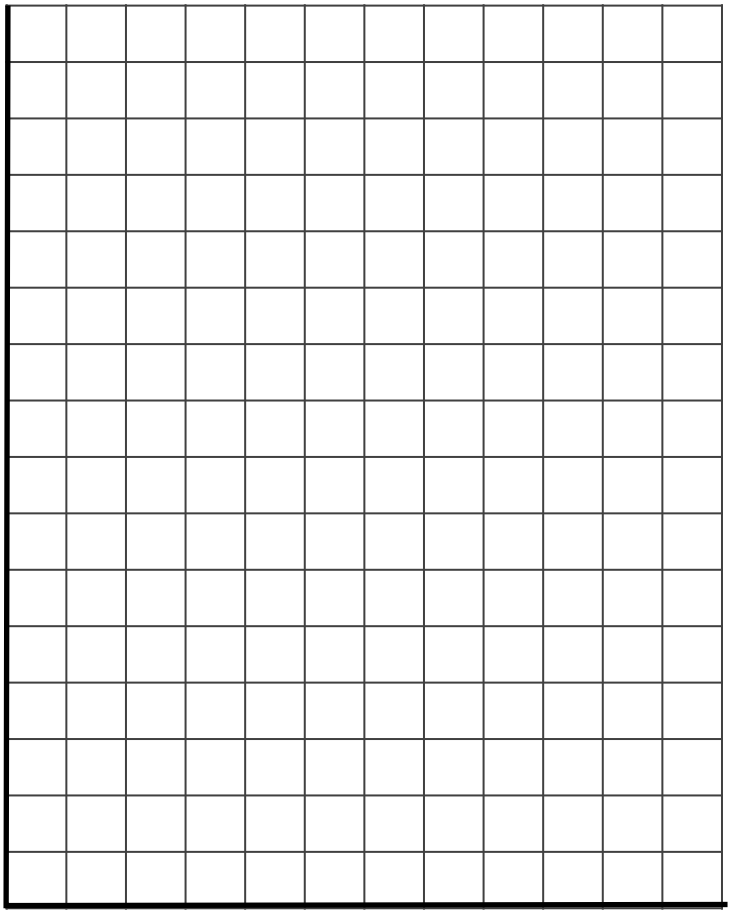


(Total for Question 1 is 3 marks)

2. The table shows the number of boys and girls who chose each after-school club.

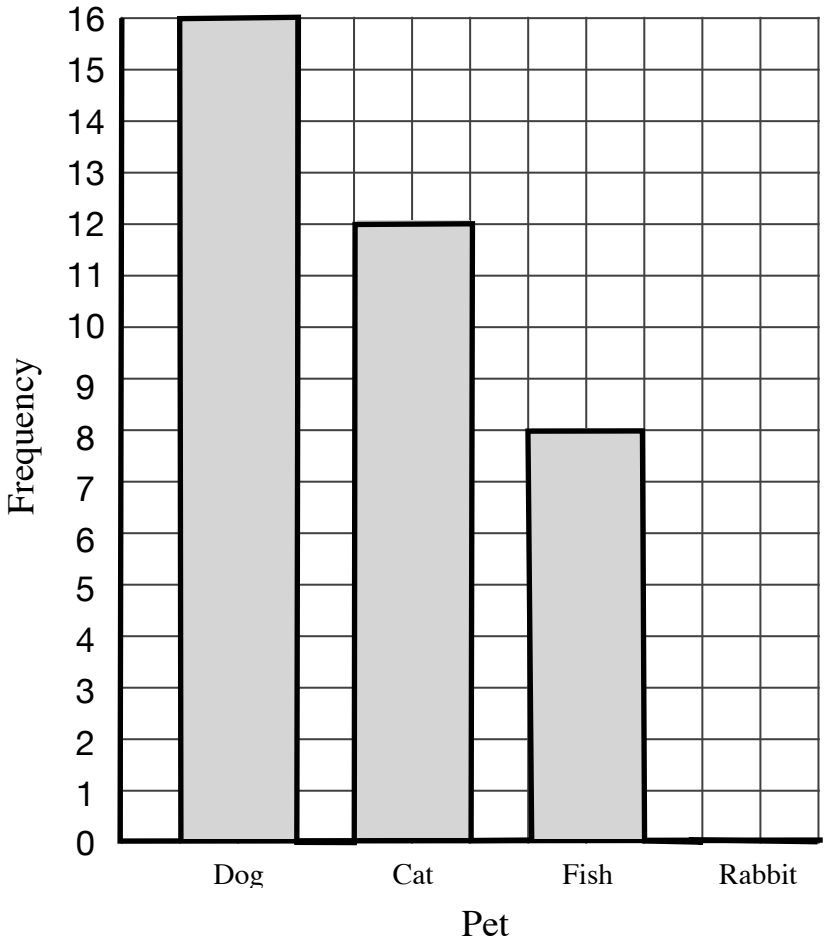
Club	Boys	Girls
Drama	8	12
Football	14	6
Art	10	16
Music	6	9

On the grid, draw a suitable bar chart to show the data.



(Total for Question 2 is 3 marks)

3. The bar chart shows information about the pets owned by a group of students.



4 people owned a rabbit.

(a) Use this to complete the bar chart.

(1)

(b) How many people were surveyed all together?

.....

(2)

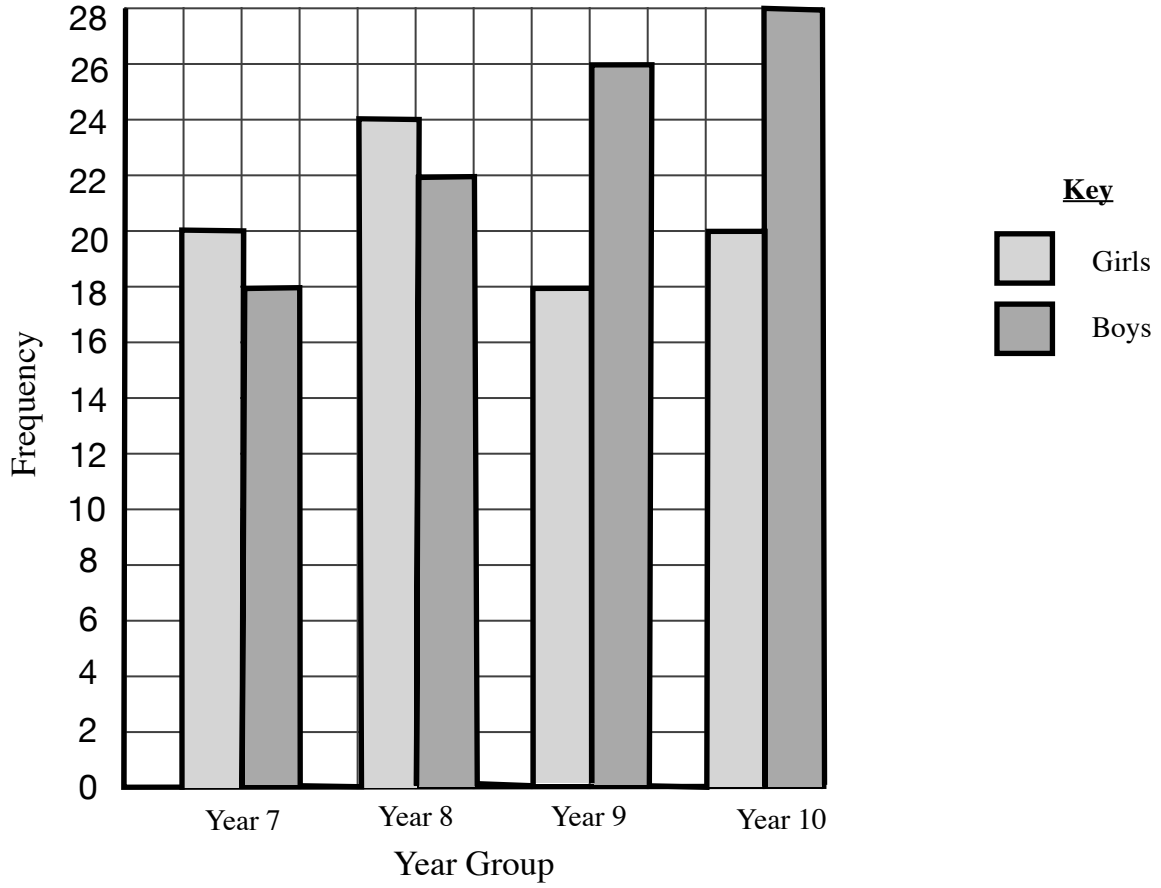
(c) What is a the probability that a randomly selected person owned a rabbit?

.....

(2)

(Total for Question 3 is 5 marks)

4. The bar chart shows information about the students in year 7, 8, 9 and 10.



(a) How many girls are in year 9?

.....

(1)

(b) Which year group had the most students all together?

.....

(2)

A student is chosen at random from year 8.

(c) What is the probability that they are a girl?

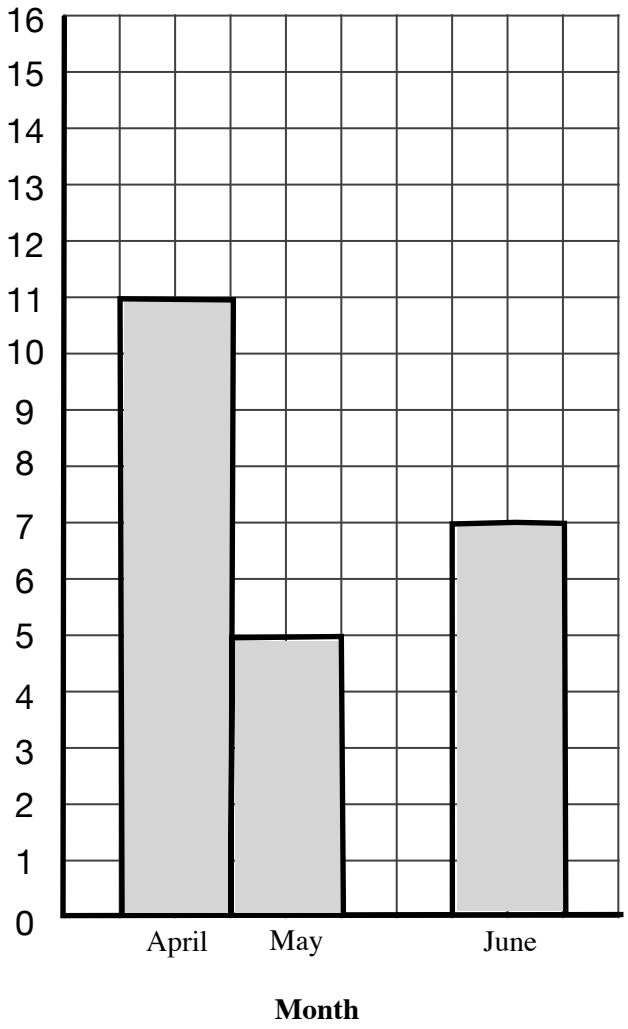
.....

(1)

(Total for Question 4 is 4 marks)

5. The bar chart shows information about the number of days it rained in April, May and June.

Month	Frequency
April	11
May	6
June	7



Write down **three** things that are wrong with the bar chart.

.....

.....

.....

.....

(Total for Question 5 is 2 marks)