



# JP Maths

## Revision



Attempt the paper  
before watching the  
solutions!

[https://www.youtube.com/  
@JPMathsRevision](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  $\pi$  button, take the value of  $\pi$  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.

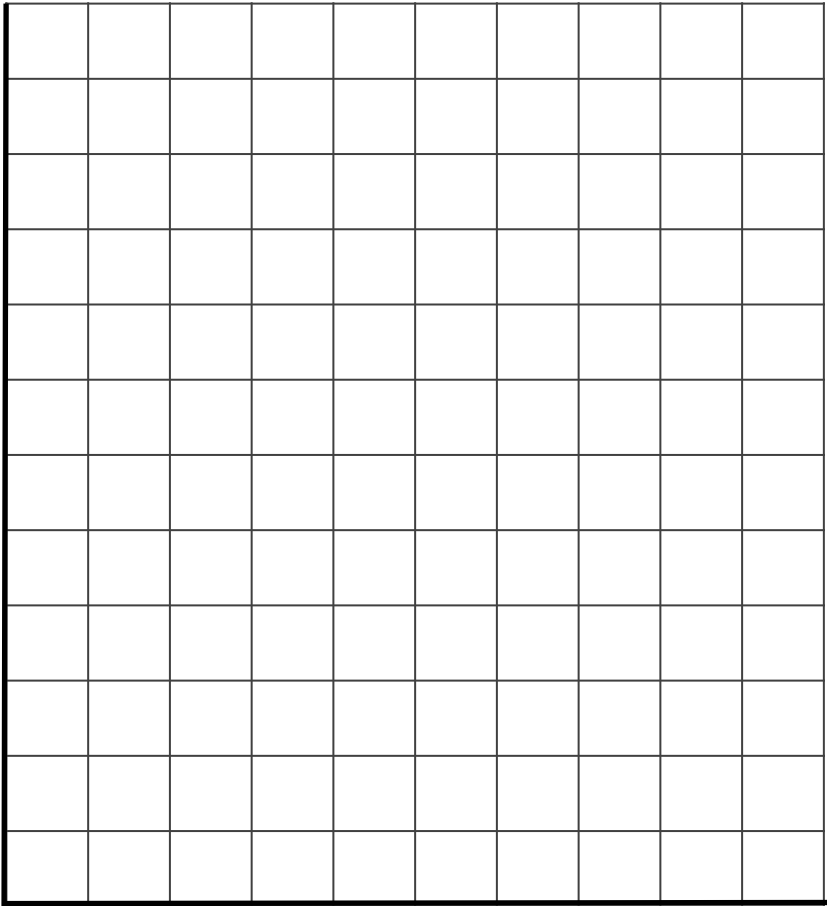


*You've got this!*

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

| Pet    | Frequency |
|--------|-----------|
| Dog    | 12        |
| Cat    | 9         |
| Rabbit | 6         |
| Fish   | 3         |

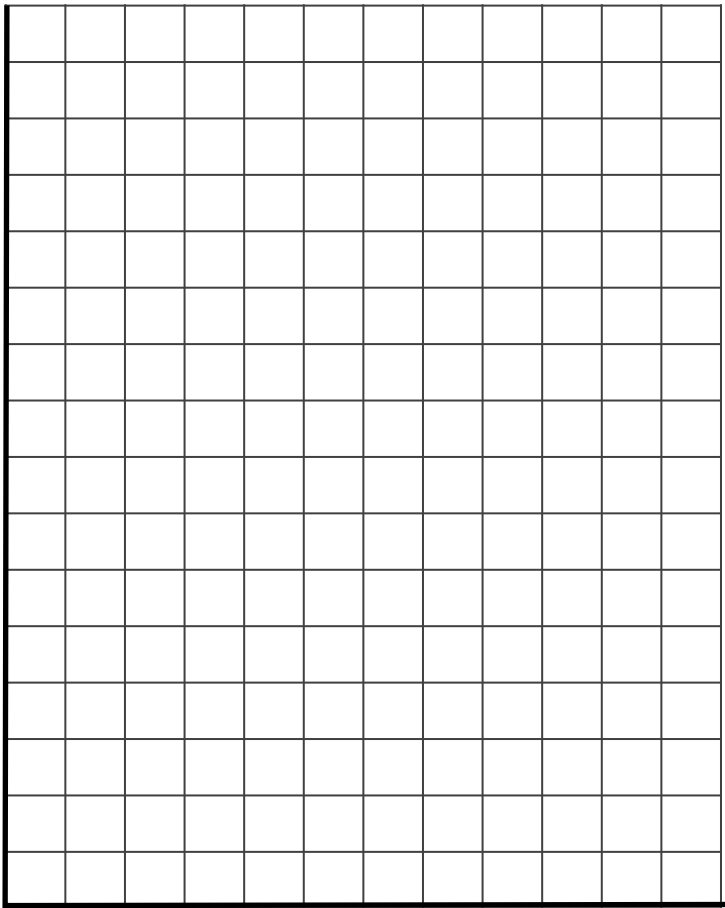
Draw a bar chart for this information.



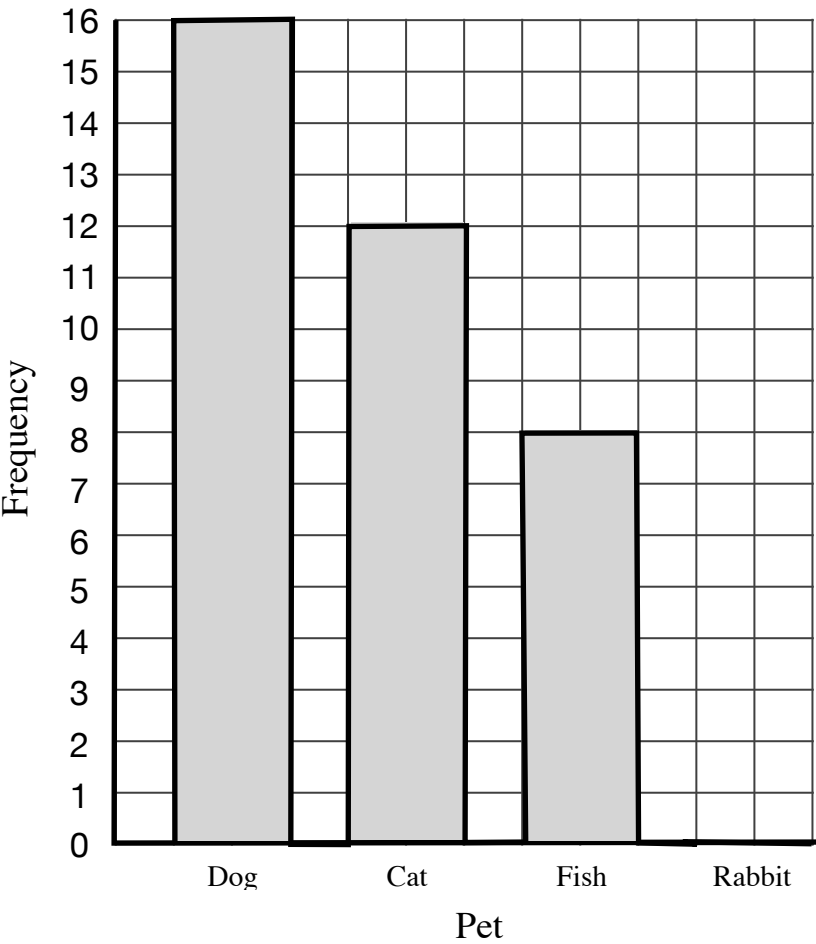
2. The table shows the number of boys and girls who chose each after-school club.

| 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.



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?

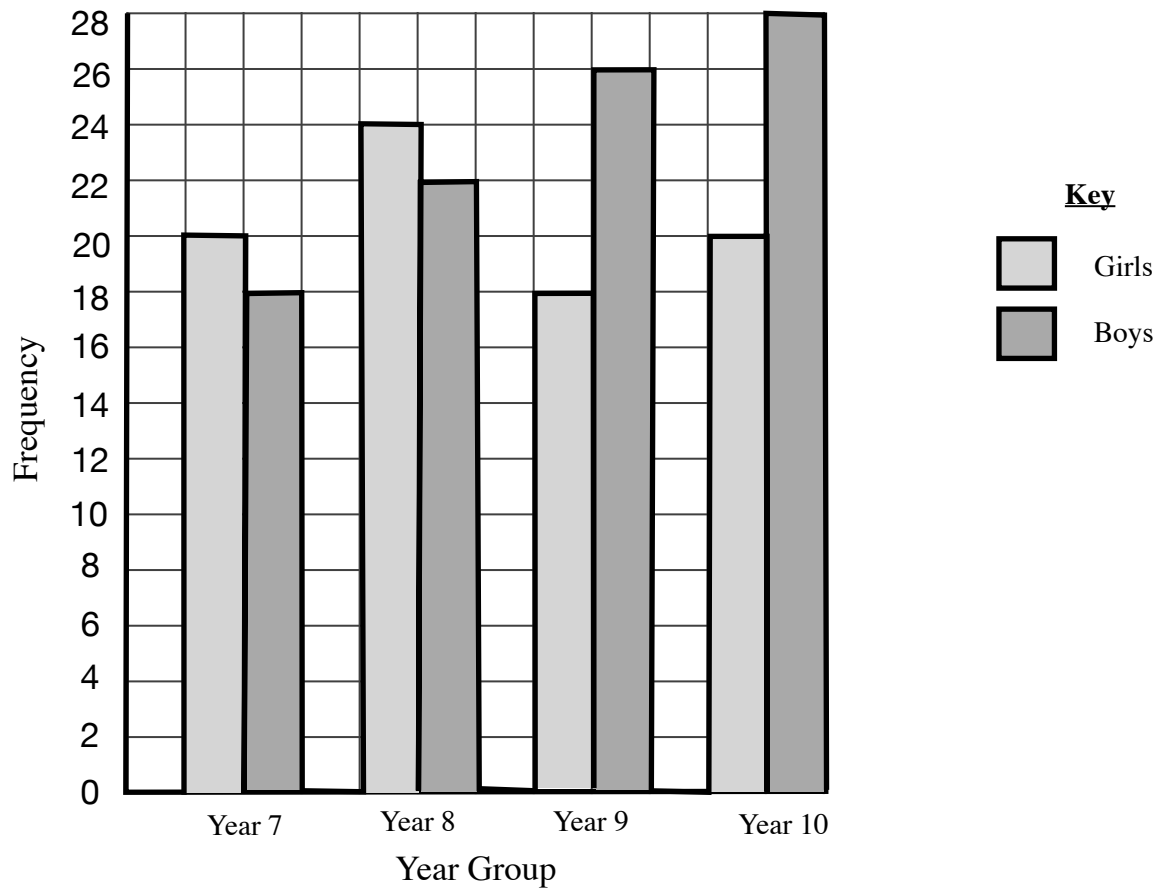
..... (2)

(c) What is a the probability that a randomly selected person chose 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.

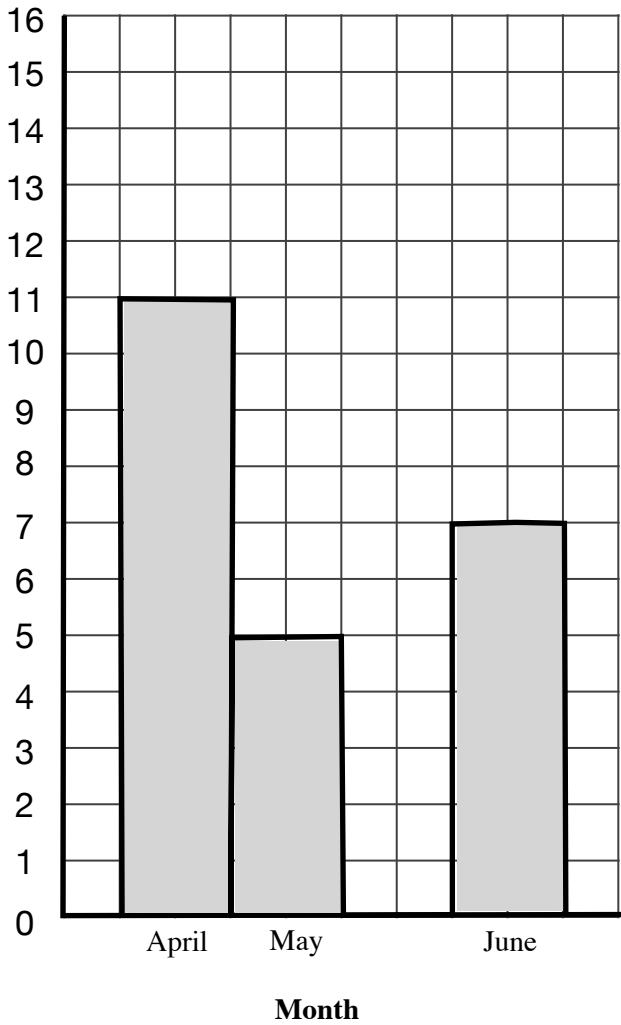
(c) What is the probability that they are a girl?

.....  
(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.

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