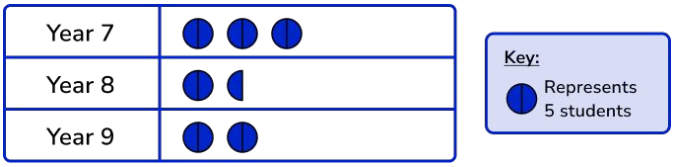
THIRD SPACE LEARNING

GCSE Exam Questions

Pictograph and Pictogram | Statistics

GCSE Exam Questions: Pictograph and Pictogram

1) This pictogram shows how many students in each year group attend Coding Club.



(a) How many students in Year 7 attend Coding Club?

(1)

(b) This pictogram includes an error.

Identify the error and explain your reason.

(1)

(2 marks)

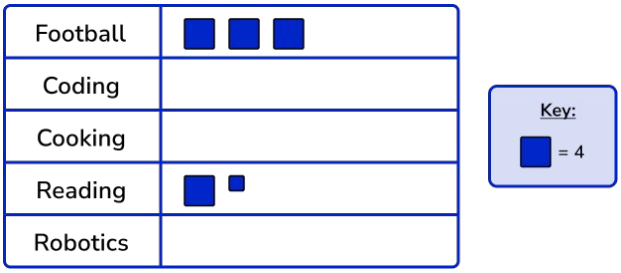
GCSE Exam Questions: Pictograph and Pictogram

2) John asks people in his class about which club they do at school.

He records the results in this table.

Club	Frequency
Football	12
Coding	8
Cooking	10
Reading	5
Robotics	7

(a) Use this information to complete the pictogram below.



(3)

(b) How many more people chose football than reading?

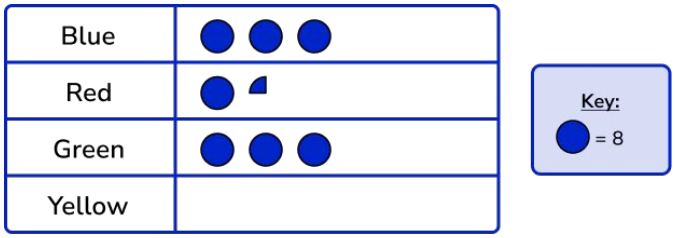
.....

(1)

(4 marks)

GCSE Exam Questions: Pictograph and Pictogram

3) The information for a bag of coloured counters is displayed in the pictogram below.



(a) How many Red counters are in the bag?

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(1)

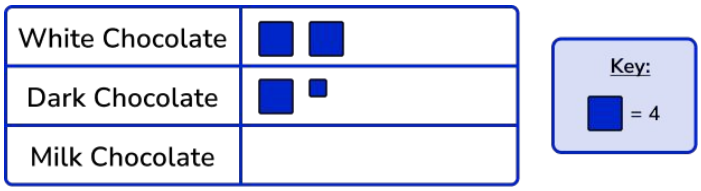
(b) The probability of picking a Yellow counter is $\frac{4}{33}$.
Complete the pictogram.

(2)

(3 marks)

GCSE Exam Questions: Pictograph and Pictogram

4) Some people are surveyed to find out if they prefer white chocolate, dark chocolate or milk chocolate. The results are displayed in a pictogram.



(a) How many people prefer dark chocolate?

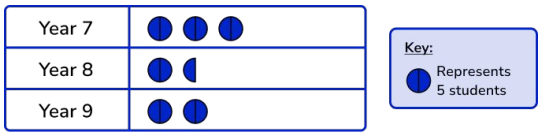
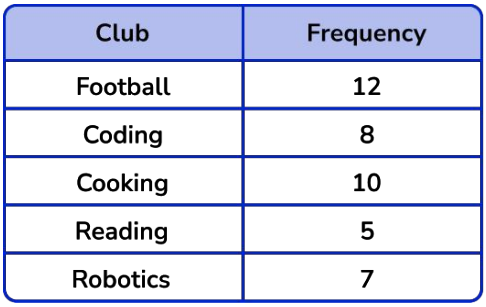
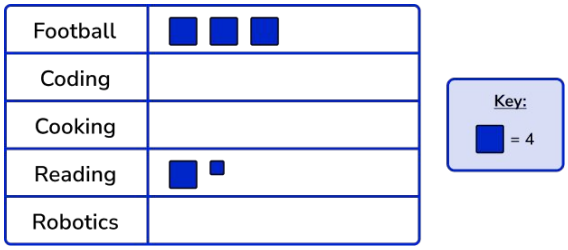
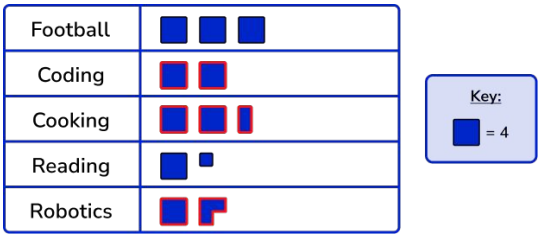
(1)

(b) A total of 20 people answered the survey.
Complete the pictogram.

(2)

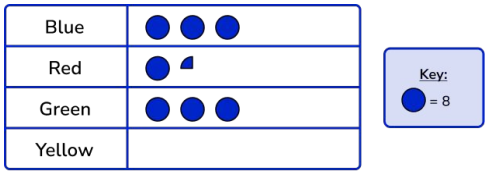
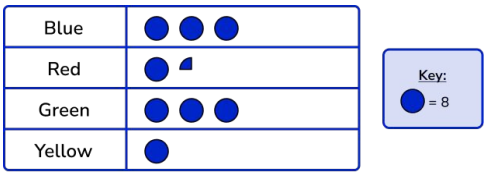
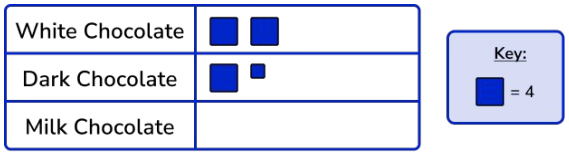
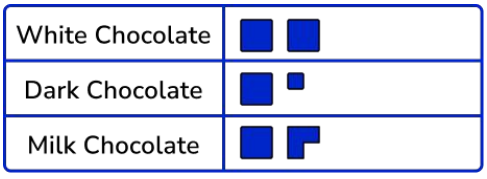
(3 marks)

GCSE Exam Questions: Pictograph and Pictogram Answers

	Question	Answer	Marks
1)	This pictogram shows how many students in each year group attend Coding Club. 		
(a)	How many students in Year 7 attend Coding Club?	**(a)** 15 students	**(1)**
(b)	This pictogram includes an error. Identify the error and explain your reason.	**(b)** The pictogram shows 7.5 students in Year 8 and you cannot have half of a student.	**(1)**
2)	John asks people in his class about which club they do at school. He records the results in this table. 		
(a)	Use this information to complete the pictogram below. 	**(a)** Coding: 2 squares Cooking: 2.5 squares Robotics 2.75 squares Correct pictogram: 	**(1)** **(1)** **(1)**
(b)	How many more people chose football than reading?	**(b)** 12 - 5 = 7	**(1)**

Club	Frequency
Football	12
Coding	8
Cooking	10
Reading	5
Robotics	7

GCSE Exam Questions: Pictograph and Pictogram Answers

	Question	Answer	Marks
3)	The information for a bag of coloured counters is displayed in the pictogram below. 		
(a)	How many Red counters are in the bag?	**(a)** 10 red counters	**(1)**
(b)	The probability of picking a Yellow counter is $\frac{4}{33}$ Complete the pictogram.	**(b)** $\frac{4}{33} = \frac{8}{66}$ **or** 66 counters in total 1 full circle frawn Correct pictogram: 	**(1)** **(1)**
4)	Some people are surveyed to find out if they prefer white chocolate, dark chocolate or milk chocolate. The results are displayed in a pictogram. 		
(a)	How many people prefer dark chocolate?	**(a)** 5 people	**(1)**
(b)	A total of 20 people answered the survey. Complete the pictogram.	**(b)** 13 people chose white or dark chocolate. **or** 7 people chose milk chocolate. Correct pictogram: 	**(1)** **(1)**

Where to go next?

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