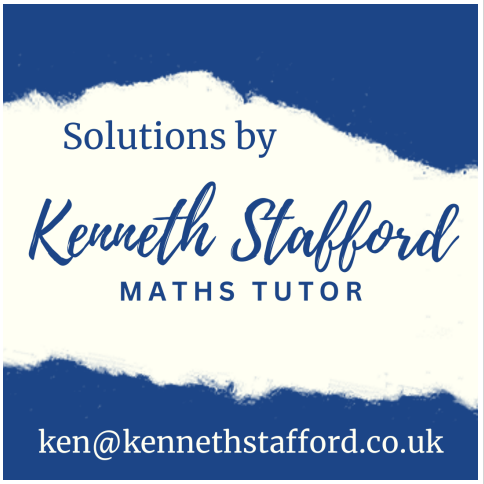
Name: SOLUTIONS

GCSE (1 - 9)

Pictograms





These questions are compiled from *released* Pearson Edexcel GCSE maths exam papers
They contain exam questions from up until the ***Summer 2022*** exam series
More recent exam papers do exist but are withheld for mock exams
As new exam papers are released these worksheets will gradually be updated
The ***most current*** version of these worksheets will always be available at: kennethstafford.co.uk
These worksheets were made using examq.co.uk

Question	Where the question appeared
1	Edexcel, GCSE, Summer 2017, Paper 2F, Q05
2	Edexcel, GCSE, Autumn 2017, Paper 3F, Q06
3	Edexcel, GCSE, Autumn 2018, Paper 1F, Q07
4	Edexcel, GCSE, Summer 2019, Paper 2F, Q09
5	Edexcel, GCSE, Autumn 2019, Paper 1F, Q06
6	Edexcel, GCSE, Autumn 2020, Paper 1F, Q07
7	Edexcel, GCSE, Autumn 2021, Paper 1F, Q11
8	Edexcel, GCSE, Summer 2022, Paper 1F, Q6

1

David sells CDs in a shop.

The tally chart shows information about the number of CDs David sold on Monday, on Tuesday and on Wednesday.

	Tally	Frequency
Monday	𝍸 𝍸 |||	12
Tuesday	𝍸 𝍸 𝍸 |||	18
Wednesday	𝍸 |||	8

(a) Write down **one** thing that is wrong with the tally chart.

The tally and frequency for Monday don't match

(1)

David drew this pictogram to show the information for Tuesday and Wednesday.

Tuesday	◐ ◐ ◐ ◐ ◐
Wednesday	◐ ◐ ◗

Key: ◐ represents 3 CDs

(b) Write down **one** thing that is wrong with this pictogram.

Wednesday would be 7.5 CDs which isn't possible.

(1)

(Total for Question 5 is 2 marks)

[Edexcel, GCSE, Summer 2017, Paper 2F, Q05]

2

The incomplete pictogram shows information about the number of cycles sold in a shop on Tuesday, on Wednesday and on Thursday.

Tuesday	
Wednesday	
Thursday	
Friday	 8
Saturday	 15

1

2.5 = 5 wheels.

1.5

Key:  = 4 cycles.

A total of 20 cycles were sold on Tuesday, Wednesday and Thursday.

5 wheels = 20

1 wheel = 4

8 cycles were sold on Friday.
15 cycles were sold on Saturday.

Use this information to complete the pictogram.

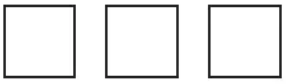
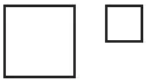
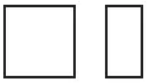
(Total for Question 6 is 3 marks)

[Edexcel, GCSE, Autumn 2017, Paper 3F, Q06]

3

There are only apple trees, cherry trees, pear trees and plum trees in an orchard.

The pictogram shows information about the numbers of apple trees, cherry trees and pear trees in the orchard.

Apple	 12
Cherry	 5
Pear	 6
Plum	 7

Key:

 represents 4 trees

There is a total of 30 trees in the orchard.

Complete the pictogram.

12+5+6 = 23

30-23 = 7

(Total for Question 7 is 3 marks)

[Edexcel, GCSE, Autumn 2018, Paper 1F, Q07]

4

The pictogram shows information about the number of vinyl records sold in a shop on Monday and on Tuesday.

Monday	8 8 8 = 24
Tuesday	8 8 4 = 18
Wednesday	4 = 4
Thursday	8 8 8 8 = 32

Key: ○ represents 8 vinyl records

(a) Write down the number of vinyl records sold

(i) on Monday,

24

(1)

(ii) on Tuesday.

18

(1)

On Wednesday and Thursday a total of 36 vinyl records were sold.
The number of records sold on Thursday was 8 times the number of records sold on Wednesday.

(b) Use this information to complete the pictogram.

Wednesday = x (4)
Thursday = $8x$ (32)

$9x = 36$
$x = 4$

(3)

(Total for Question 9 is 5 marks)

[Edexcel, GCSE, Summer 2019, Paper 2F, Q09]

5

The pictogram shows information about the number of pictures sold in an art shop in each of January, February and March.

January	8 8 8	= 24
February	□ □ □ ⊏	= 28
March	□ □ ⊏	= 20
April	□ ⊏	= 12

Key: □ represents 8 pictures

(a) Write down the number of pictures sold in January.

24

(1)

12 pictures were sold in April.

(b) Show this information on the pictogram.

(1)

(c) What was the total number of pictures sold in these four months?

24 + 28 + 20 + 12 = 84

84

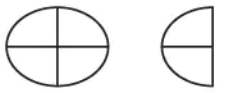
(2)

(Total for Question 6 is 4 marks)

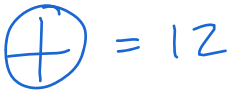
[Edexcel, GCSE, Autumn 2019, Paper 1F, Q06]

6

The incomplete pictogram shows information about the number of eggs sold from a farm shop on Monday.

Monday		18
Tuesday		24
Wednesday		27

Key:



On Monday the shop sold 18 eggs.
On Tuesday the shop sold 24 eggs.
On Wednesday the shop sold 27 eggs.

Use this information to complete the pictogram and the key.

(Total for Question 7 is 4 marks)

[Edexcel, GCSE, Autumn 2020, Paper 1F, Q07]

7

The pictogram shows information about the number of video games sold in a shop on Monday, on Tuesday and on Wednesday.

Monday	8 8	16
Tuesday	8 8 6	22
Wednesday	8 2	10
Thursday		8
Friday		24

Key: represents 8 video games

(a) How many video games were sold on Monday?

8+8 = 16

(1)

More video games were sold on Tuesday than on Wednesday.

(b) How many more?

22 - 10 = 12

(2)

On Thursday and Friday, a total of 32 video games were sold in the shop.

$\frac{1}{4}$ of these 32 video games were sold in the shop on Thursday.

(c) Complete the pictogram for Thursday and Friday.

1/4 of 32 = 32 ÷ 4 = 8 (Thursday)

3/4 of 32 = 8 x 3 = 24 (Friday)

(3)

(Total for Question 11 is 6 marks)

[Edexcel, GCSE, Autumn 2021, Paper 1F, Q11]

8

The pictogram gives information about the number of hours of sunshine on a Saturday and on a Sunday.

2 2 2 2

Saturday	☀ ☀ ☀ ☀
Sunday	☀ ☀

Key: ☀ represents 2 hours of sunshine

Work out the number of hours of sunshine on Saturday.

2+2+2+2 = 8 hours

(Total for Question 6 is 1 mark)

[Edexcel, GCSE, Summer 2022, Paper 1F, Q6]