ENGLAND GCSE MATHS AQA HIGHER · UNIT 13 · 25 QUESTIONS

Statistics — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **A thermometer records temperatures of 10, 13, 16, 19, 22 degrees. The range is**

- A 15
- B 9
- C 12
- D 22

Understand It with Pulse | Flag a mistake

2 **A brown dog weighs 26 kg. Three more brown dogs weigh 22 kg, 18 kg and 14 kg. The mean weight is**

- A 22
- B 20
- C 16
- D 24

Understand It with Pulse | Flag a mistake

3 **The numbers of pages in 5 hardcover books are 150, 180, 210, 250, 270. The range is**

- A 270
- B 130
- C 120
- D 110

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4 **The heights of 6 horses, in hands, are 14, 18, 18, 19, 18, 17. The mode is**

- A 17
- B 14
- C 18
- D 19

Understand It with Pulse | Flag a mistake

5 **The height of a sunflower is measured 5 times, in cm: 140, 130, 150, 120, 110. The mean height is**

- A 140
- B 130
- C 135
- D 120

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6 **The numbers of seabirds counted on 5 days are 20, 24, 28, 32, 36. The median is**

- A 32
- B 24
- C 28
- D 20

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7 **The mean of 2, 5, 8, 11, 14 is**

- A 5
- B 8
- C 11
- D 9

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8 **The data 4, 8, 12, 16, 20, 24, 28 has upper quartile**

- A 28
- B 16
- C 8
- D 24

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9 **A class interval 10-15 has frequency 6. Its frequency density is**

- A 6
- B 0.6
- C 1.2
- D 30

Understand It with Pulse | Flag a mistake

10 **The median of 5, 7, 8, 11, 12 is**

- A 8
- B 11
- C 5
- D 7

Understand It with Pulse | Flag a mistake

11 **In a survey, 2 students score 2, 2 students score 4 and 2 students score 6. The mean score is**

A 5

B 3

C 4

D 6

Understand It with Pulse | Flag a mistake

12 **Two data sets have the same median but different ranges. The one with the larger range is**

A more spread out

B less spread out

C exactly the same

D the one with the larger median

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13 **On a cumulative frequency graph, the median is found at**

A the highest frequency

B half the total frequency

C a quarter of the total frequency

D the total frequency

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14 **A box plot has minimum 5, lower quartile 12, median 15, upper quartile 20, maximum 25. The interquartile range is**

A 20

B 8

C 5

D 3

Understand It with Pulse | Flag a mistake

15 **A scatter graph shows the height and weight of students. The line of best fit is used to**

- A count the students
- B find the mean height
- C find the range of the weights of the students
- D predict a weight from a height

Understand It with Pulse | Flag a mistake

16 **The range of 4, 6, 7, 9, 19 is**

- A 15
- B 16
- C 19
- D 14

Understand It with Pulse | Flag a mistake

17 **The mode of 9, 4, 8, 8, 7 is**

A 8

B 9

C 7

D 4

Understand It with Pulse | Flag a mistake

18 **The mean of 4, 6, 8, 10, 12 is**

A 10

B 8

C 6

D 9

Understand It with Pulse | Flag a mistake

19 **A class interval 10-15 has frequency 10. Its frequency density is**

- A 10
- B 1
- C 2
- D 50

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20 **The median of 5, 6, 7, 10, 13 is**

- A 10
- B 7
- C 6
- D 5

Understand It with Pulse | Flag a mistake

21 **A box plot has minimum 2, lower quartile 8, median 15, upper quartile 22, maximum 30. The interquartile range is**

- A 14
- B 28
- C 16
- D 7

Understand It with Pulse | Flag a mistake

22 **The range of 2, 4, 10, 14, 22 is**

- A 20
- B 22
- C 19
- D 21

Understand It with Pulse | Flag a mistake

23 The mode of 9, 2, 3, 6, 3 is

- A 6
- B 9
- C 3
- D 2

Understand It with Pulse | Flag a mistake

24 The data 6, 8, 10, 12, 14, 16, 18 has lower quartile

- A 6
- B 12
- C 8
- D 16

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25 **A class interval 10-30 has frequency 40. Its frequency density is**

A 2

B 1.6

C 800

D 40

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ANSWER KEY

1.	C	**10.**	A	**19.**	C
2.	B	**11.**	C	**20.**	B
3.	C	**12.**	A	**21.**	A
4.	C	**13.**	B	**22.**	A
5.	B	**14.**	B	**23.**	C
6.	C	**15.**	D	**24.**	C
7.	B	**16.**	A	**25.**	A
8.	D	**17.**	A		
9.	C	**18.**	B		

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