ENGLAND GCSE MATHS OCR 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 **The height of a sunflower is measured 5 times, in cm: 120, 140, 130, 110, 100. The mean height is**

- A 110
- B 120
- C 125
- D 130

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

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

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3 **The numbers of pages in 5 hardcover books are 150, 220, 270, 280, 300. The range is**

- A 160
- B 150
- C 300
- D 140

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4 **The heights of 6 horses, in hands, are 15, 17, 18, 19, 18, 18. The mode is**

- A 19
- B 15
- C 18
- D 17

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5 **A thermometer records temperatures of 10, 14, 18, 22, 26 degrees. The range is**

- A 26
- B 20
- C 16
- D 12

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6 **The numbers of seabirds counted on 5 days are 10, 14, 18, 22, 26. The median is**

- A 22
- B 18
- C 10
- D 14

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

- **A** more spread out
- **B** the one with the larger median
- **C** less spread out
- **D** exactly the same

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8 **On a cumulative frequency graph, the median is read from**

- **A** half the total frequency
- **B** the highest frequency
- **C** a quarter of the total frequency
- **D** the total frequency

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9 **The mean of 3, 7, 11, 15, 19 is**

- A 12
- B 11
- C 7
- D 15

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10 **The data 4, 6, 8, 10, 12, 14, 16 has lower quartile**

- A 10
- B 6
- C 4
- D 14

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

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

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12 **The range of 2, 7, 10, 12, 14 is**

- **A** 14
- **B** 11
- **C** 12
- **D** 13

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

- A 40
- B 800
- C 2
- D 1.6

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14 **The median of 3, 6, 7, 10, 11 is**

- A 6
- B 3
- C 10
- D 7

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15 In a survey, 2 students score 1, 3 students score 2 and 1 student scores 4. The mean score is

- A 2
- B 3
- C 6
- D 1

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16 A box plot has minimum 2, lower quartile 12, median 14, upper quartile 18, maximum 35. The interquartile range is

- A 4
- B 2
- C 6
- D 33

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17 **The mode of 3, 7, 5, 3, 4 is**

A 7

B 4

C 3

D 5

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

A 9

B 11

C 5

D 8

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19 The data 6, 10, 14, 18, 22, 26, 30 has lower quartile

- A 26
- B 18
- C 10
- D 6

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20 The range of 5, 9, 11, 17, 25 is

- A 20
- B 21
- C 25
- D 19

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21 **A class interval 10-20 has frequency 12. Its frequency density is**

- A 1.2
- B 12
- C 120
- D 0.8

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22 **The median of 2, 5, 8, 9, 12 is**

- A 8
- B 5
- C 2
- D 9

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23 In a survey, 2 students score 1, 2 students score 3 and 2 students score 5. The mean score is

- A 4
- B 3
- C 2
- D 6

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24 A box plot has minimum 2, lower quartile 12, median 16, upper quartile 18, maximum 30. The interquartile range is

- A 4
- B 2
- C 6
- D 28

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25 **The mode of 8, 8, 6, 4, 2 is**

A 2

B 8

C 4

D 6

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ANSWER KEY

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

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