ENGLAND GCSE MATHS EDEXCEL 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 numbers of seabirds counted on 5 days are 12, 17, 22, 27, 32. The median is**

- A 12
- B 27
- C 17
- D 22

Understand It with Pulse | Flag a mistake

**2** **The heights of 6 horses, in hands, are 17, 16, 15, 18, 17, 17. The mode is**

- A 17
- B 18
- C 15
- D 16

Understand It with Pulse | Flag a mistake

3 **A thermometer records temperatures of 10, 12, 14, 16, 18 degrees. The range is**

- A 6
- B 10
- C 8
- D 18

Understand It with Pulse | Flag a mistake

4 **The numbers of pages in 5 hardcover books are 100, 130, 220, 270, 300. The range is**

- A 200
- B 300
- C 190
- D 210

Understand It with Pulse | Flag a mistake

5 **The height of a sunflower is measured 5 times, in cm: 140, 130, 160, 120, 150. The mean height is**

- A 130
- B 140
- C 145
- D 150

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

**8** **The mean of 3, 5, 7, 9, 11 is**

- **A** 7
- **B** 5
- **C** 8
- **D** 9

Understand It with Pulse | Flag a mistake

9 **On a cumulative frequency graph, the median is read off at**

A the highest frequency

B half the total frequency

C the total frequency

D a quarter of the total frequency

Understand It with Pulse | Flag a mistake

10 **A box plot has minimum 5, lower quartile 8, median 14, upper quartile 18, maximum 25. The interquartile range is**

A 20

B 4

C 10

D 6

Understand It with Pulse | Flag a mistake

**11** **The median of 2, 4, 6, 8, 9 is**

- **A** 4
- **B** 6
- **C** 2
- **D** 8

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

14 **The mode of 6, 2, 8, 6, 5 is**

- A 2
- B 6
- C 8
- D 5

Understand It with Pulse | Flag a mistake

**15** **The data 2, 4, 6, 8, 10, 12, 14 has upper quartile**

- A 8
- B 14
- C 12
- D 4

Understand It with Pulse | Flag a mistake

**16** **The range of 2, 4, 12, 13, 14 is**

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

Understand It with Pulse | Flag a mistake

17 **In a survey, 2 students score 3, 4 students score 4 and 2 students score 5. The mean score is**

- A 8
- B 5
- C 3
- D 4

Understand It with Pulse | Flag a mistake

18 **The mean of 4, 8, 12, 16, 20 is**

- A 16
- B 13
- C 8
- D 12

Understand It with Pulse | Flag a mistake

19 **A box plot has minimum 2, lower quartile 8, median 16, upper quartile 22, maximum 30. The interquartile range is**

- A 6
- B 28
- C 14
- D 8

Understand It with Pulse | Flag a mistake

20 **The median of 4, 6, 9, 11, 14 is**

- A 11
- B 6
- C 4
- D 9

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

**22** **The mode of 6, 5, 5, 7, 4 is**

- A 6
- B 4
- C 7
- D 5

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

**24** The range of 4, 5, 10, 14, 16 is

- A 11
- B 12
- C 16
- D 13

Understand It with Pulse | Flag a mistake

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

A 3

B 4

C 6

D 5

Understand It with Pulse | Flag a mistake

# ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.