Median

Grade 1 | Foundation | 5 questions, 20 marks

GCSE Statistics topic practice

Name: _____ **Date:** _____ **Score:** _____ **/ 20**

1 Here are the heights, in cm, of five sunflowers.

142 128 150 135 131

a. Write the heights in order of size. Start with the smallest. (1)

b. Write down the median height. (1)

c. How many of the sunflowers are taller than the median height? (1)

(3 marks)

2 Seven people wait for a bus. Here are the times, in minutes, that they wait.

8 3 12 5 9 4 7

a. Work out the median time. (2)

b. An eighth person waits for 10 minutes.
Work out the median time for all eight people. (2)

(4 marks)

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3 Five friends count the text messages they each sent yesterday.

6 2 9 4 7

Dev says, "The median is 9 because 9 is in the middle."

a. Explain the mistake Dev has made. (1)

b. Work out the correct median. (2)

c. The friend who sent 9 messages had counted wrongly. She really sent 90 messages.
What happens to the median? Give a reason for your answer. (1)

(4 marks)

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4 Eight pupils in class A take a spelling test. Here are their scores out of 20.

12 17 9 15 20 11 15 14

a. Work out the median score for class A. (2)

b. Amy is in class A. She scored 14.
Is Amy's score above or below the median for her class? (1)

c. The median score for class B is 12.
Which class did better in the test? Give a reason for your answer. (1)

(4 marks)

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5 Six people are waiting in a queue. Here are their ages, in years, in order.
One age is missing.

12 15 18 _____ 25 31

The median age is 20.

a. Work out the missing age. (2)

b. A seventh person, aged 40, joins the queue.
Work out the median age of the seven people. (2)

c. How many of the seven people are younger than this median age? (1)

(5 marks)

End of questions | Total 20 marks

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