



New Maths GCSE: S4 - Averages and Range Quiz

Name:.....

Date:.....

What is the median of the data?
1, 2, 3, 7, 7

A) 3 B) 4 C) 7

D) 2.5

Correct Answer: A B C D

Explanation:

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What is the mode of the data?
3, 5, 1, 7, 2, 6

A) 6 B) 4 C) 0

D) No Mode

Correct Answer: A B C D

Explanation:

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What is the mean of the data?
8, 2, 3, 1, 1

A) 3 B) 1 C) 15

D) 5

Correct Answer: A B C D

Explanation:

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What is the mean of the data?

4, 17, 3, 15, 6, 15

A) 14 B) 10 C) 15

D) 6

Correct Answer: A B C D

Explanation:

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What is the range of the data?

5, 6, 8, 1, 8, 9, 10, 11, 13, 15

A) 10 B) 16 C) 20

D) 14

Correct Answer: A B C D

Explanation:

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A small range of values indicates a...

A) Greater consistency of the data B) Higher average C) Smaller number of data values

D) weaker consistency of the data

Correct Answer: A B C D

Explanation:

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This table shows the marks (out of 50) obtained in some tests by two pupils. Use the range and mean to decide which pupil is better.

Anna	28	36	41	36	29	30	29	32
Barry	11	48	18	49	21	16	15	27

A) Anna achieved a lower average mark but is more consistent B) Anna achieved a higher average mark and is more consistent C) Bill achieved a higher average mark and is more consistent

D) Bill achieved a lower average mark and is more consistent

Correct Answer: A B C D

Explanation:

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Annie records the number of tomatoes that she picks from 2 different plants every day for 10 days. Her records are shown below. Use the range and mean to decide which plant is better at producing tomatoes.

Plant A	4	6	7	3	5	2	1	3	6	5
Plant B	5	6	7	6	8	9	6	7	8	9

A) Plant B produces more tomatoes on average and is more consistent

B) Plant B produces more tomatoes on average but is less consistent

C) Plant A produces more tomatoes on average but is less consistent

D) Plant A produces less tomatoes on average and is more consistent

Correct Answer: A B C D

Explanation:

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The mean of this data is 15.
What is the missing value?

5, 10, 15, x

A) x = 15

B) x = 20

C) x = 30

D) x = -15

Correct Answer: A B C D

Explanation:

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The mean of 4 numbers is 9. What number do you need to add to give a mean of 12?

A) 3

B) 4

C) 12

D) 24

Correct Answer: A B C D

Explanation:

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