THIRD SPACE LEARNING

Averages and Range Check for Understanding

A 10 question retrieval quiz for students in grade 6.

Grade 6

Questions

Name: ..... Class: .....

Date: ..... Score: .....

1 Find the average of this list of numbers:
44, 48, 36, 49, 52, 43, 47, 39, 40, 42

Answer

2 Find the average of this list of numbers to the nearest hundredth:
7, 18, 9, 19, 8, 6, 13, 9

Answer

3 A group of students took a math test. Their scores are shown below. What was the average test score?

Student	Test Score
Student A	84
Student B	96
Student C	72
Student D	91
Student E	88
Student F	87
Student G	79
Student H	82
Student I	95
Student J	93
Student K	90
Student L	84
Student M	86
Student N	82
Student O	96

Answer

4 The mean of 8 values is 27. Here are 7 of the values:
22, 25, 36, 21, 32, 30, 24

Find the 8th value.

Answer

5 The mean of 6 values is 153. Here are 5 of the values:
142, 163, 150, 158, 156

Find the 6th value.

Answer

6 Which data set has a mean of 41?
a) 39, 42, 40, 49, 30
b) 41, 44, 42, 51, 32
c) 38, 45, 40, 48, 34
d) 38, 43, 40, 47, 32

Answer

7 Find the range of this set of numbers
9, 12, 15, 7, 18, 6, 7, 13, 14, 12

Answer

8 Malia planted 8 seeds. She measures her plants at the end of each week. The data below shows the height of each plant at the end of 6 weeks in centimeters.

34, 49, 52, 53, 48, 37, 53, 50

What is the range of the plant heights?

Answer

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9 The range of a set of data is 8.
The lowest value is 79.

Find the highest value.

Answer

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10 The range of a set of data is 13.
The highest value is 351.

Find the lowest value.

Answer

Answers

Question number	Question	Answers	Standard
1	Find the average of this list of numbers: 44, 48, 36, 49, 52, 43, 47, 39, 40, 42	44	6.SP.A.3 6.SP.B.5c
2	Find the average of this list of numbers to the nearest hundredth: 7, 18, 9, 19, 8, 6, 13, 9	11.13	6.SP.A.3 6.SP.B.5c
3	A group of students took a math test. Their scores are shown below. What was the average test score? (refer table)	87	6.SP.A.3 6.SP.B.5c
4	The mean of 8 values is 27. Here are 7 of the values: 22, 25, 36, 21, 32, 30, 24 Find the 8th value.	26	6.SP.A.3 6.SP.B.5c
5	The mean of 6 values is 153. Here are 5 of the values: 142, 163, 150, 158, 156 Find the 6th value.	149	6.SP.A.3 6.SP.B.5c
6	Which data set has a mean of 41? a) 39, 42, 40, 49, 30 b) 41, 44, 42, 51, 32 c) 38, 45, 40, 48, 34 d) 38, 43, 40, 47, 32	Set c	6.SP.A.3 6.SP.B.5c

Question number	Question	Answers	Standard
7	Find the range of this set of numbers 9, 12, 15, 7, 18, 6, 7, 13, 14, 12	12	6.SP.A.3 6.SP.B.5c
8	Malia planted 8 seeds. She measures her plants at the end of each week. The data below shows the height of each plant at the end of 6 weeks in centimeters. 34, 49, 52, 53, 48, 37, 53, 50 What is the range of the plant heights?	19cm	6.SP.A.3 6.SP.B.5c
9	The range of a set of data is 8. The lowest value is 79. Find the highest value.	87	6.SP.A.3 6.SP.B.5c
10	The range of a set of data is 13. The highest value is 351. Find the lowest value.	338	6.SP.A.3 6.SP.B.5c

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