

Averages

Literacy The keyboard had sticking keys and missed out all the vowels. Discover the words and write one sentence including as many of the words as you can. Which word totals 7?

mdn

mn

md

rng

frqncy



Memory



Hey diddle diddle,
the median's the middle,

You add then divide for the mean.

The mode is the one that you see the most,
And the range is the difference between.

Skill 1

Find the median, mode and range from the following lists of numbers.

- 1) 6, 4, 2, 7, 5, 6
- 2) 9, 2, 3, 2, 7, 2
- 3) 9, 6, 7, 3, 2, 7, 6, 9, 5
- 4) 7, 9, 6, 14, 12, 11, 13, 11, 7
- 5) 6, 9, 12, 15, 11, 14, 11, 6
- 6) 20, 75, 40, 60
- 7) 7.2, 6.4, 7.3, 7.2, 4.2, 6.7
- 8) 56.3m, 56.7m, 56.4m, 56.4m, 56.5m, 56.2m

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Skill 2

Find the mean from the following lists of numbers.

- 1) 6, 4, 2, 7, 5, 6
- 2) 9, 2, 3, 2, 7, 2
- 3) 9, 6, 7, 3, 2, 7, 6, 9, 5
- 4) 7, 9, 6, 14, 12, 11, 13, 11, 7
- 5) 6, 9, 12, 15, 11, 14, 11, 6
- 6) 20, 75, 40, 60
- 7) 7.2, 6.4, 7.3, 7.2, 4.2, 6.7
- 8) 56.3m, 56.7m, 56.4m, 56.4m, 56.5m, 56.2m

Stretch 1

On average, **Atacama Desert, Chile**, the driest place on earth, gets only gets 0.5mm of rain every year. In total, how much rain would it expect to get in twenty years?

A student had taken six tests and received scores of 17, 19, 16, 19, 15, 20, 14. The eighth test was coming up and the student want to know:

- a) what was needed on the eighth test to have a mean score of 17. Find the seventh test score.
- b) Using the seventh test score from part a. calculate the Median

ROK- Retention of Knowledge

- 1) $7 + 8 + 2 + 13 + 12 =$
- 2) $56 \div 7 =$
- 3) $72 \div 9 =$
- 4) $48 \div 5 =$
- 5) $(5 + 9 + 4 + 7 + 9) \div 8 =$
- 6) $5 + 6 \div 3 =$
- 7) $1 + 4 \times 3 - 12 \div 6 =$

Stretch 2



John, Mary and Haf each have unknown cards. Find the values of each card in their hands.

John: My cards have a mean of 7 and a mode of 8.

Mary: My cards have a median of 9 and range of 4.

Haf: My cards have a mode of 7 and a median of 8.