

LITERACY

A) What is the mean score of these words in Scrabble?

$(M_3, E, A, N, M_3, E, D, I, A, N, M_3, O_2, D, E, R, A, N, G_2, E)$

B) The word "comedian" contains the word "median". What's the largest word you can find that contains "mean"?

RESEARCH

A "trimmed mean" is used in the Olympics when calculating, for example, gymnasts' scores.

Find out what a trimmed mean is and why it is used!



MEMORY

HEY DIDDLE DIDDLE,

THE *MEDIAN'S* THE MIDDLE

YOU ADD THEN DIVIDE FOR THE *MEAN*

THE *MODE'S* THE ONE THAT

CROPS UP THE MOST

AND THE *RANGE'S*

THE DIFFERENCE BETWEEN!

**THIS ISN'T YOUR AVERAGE HOMEWORK
(DON'T BE SO MEAN)**

SKILL PRACTICE

1. Find the mean, mode median and range for each of the following:

a) 1, 1, 2, 4, 6, 7, 8, 10, 15

b) 12, 13, 12, 13, 20

c) 1.1m, 80cm, 90cm, 1.2m

d) 19, 20.2, 15.4, 29, 18.7, 14.2, 19, 17.5, 21, 21.9

2. Find the mean of $\frac{2}{3}, \frac{1}{4}, \frac{5}{6}, \frac{1}{2}, \frac{7}{12}$

3. Smith's PPI Claims Company boast that they manage to win their clients £3,500 on average. Four customers received £10,500, £1,050, £2,000 and £750. Have the company been honest with their statement?



STRETCH

a) Five friends earn the following annually: £20000, £20000, £35000, £50000 and £1.8million. Explain whether mode, median or mean is the best average to describe the friends' earnings.

b) Find a set of seven numbers that have a mean, mode, median and range of 10.

c) A 5-a-side football team have an average height of 1.82m but when their substitute is included the team's average increases by 2cm. What height is the substitute?

