

WALT: To find the mean and range of given numbers

Gold WILF: I can identify a missing value in a set of data using the mean and the range

Mastery WILF: I can identify the data needed to find a given range and mean

7 8 9 6 5 5 1 3 3

Choose 3 numbers with:

- a) a mean of 6
- b) a mean of 6 and a range of 2
- c) a mean of 5
- d) a mean of 5 and a range of 4
- e) a mean of 4
- f) a mean of 4 and a range of 7

Choose 4 numbers with:

- a) a mean of 3
- b) a mean of 5
- c) a mean of 5 and a range of 8
- d) a mean of 4.5 and a range of 7

The following 4 cards are chosen, the 5th card is drawn, the number is between 1 and 9.
Which card is needed to complete the mean and range for each set?

9 1 3 5 mean = 5
range = 8 ?

3 5 5 3 mean = 4.2
range = 2 ?

7 1 9 6 mean = 6
range = 8 ?

1) There are 4 blank cards. What should be written on them to get the following:

- a) mean of 6 and a range of 8
- b) mean of 6 and a range of 4

2) There are 6 blank cards. What should be written on them to get the following:

- a) mean of 5 and a range of 6
- b) mean of 5 and a range of 8
- c) mean of 6 and a range of 2
- c) mean of 2 and a range of 5