

MEAN, MEDIAN, MODE, RANGE PUZZLES

ANSWERS

Use the clues to find the missing cards.

HELPFUL EXAMPLE

3	4	6	7	?	The unknown card will increase the mean by 2.
If you calculate the mean for the first four numbers you will get $3 + 4 + 6 + 7 = 20$, and 20 divided 4 equals 5.		The clue tell us the new number will increase the mean by 2 which will change the mean to 7.		All you need to do is multiply the new mean by the total number of cards, $7 \times 5 = 35$.	
				How can we change 20 to 35? The card must equal 15 .	

Now your turn.

8	12	4	3	6	14	The median will be 7 and the range 11.
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19	7	9	16	9	12	The mean will be 12 and the mode 9.
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11	12	10	11	30	16	The unknown cards will increase the mean by 4, and the range will be 20.
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3	8	7	14	6	1	3	The unknown cards will decrease the mean by 2, the median will be 6, and the range 13.
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6	4	2	5	6	9	3	mean = 5 range = 7 median = 5 mode = 6
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