Reverse Averages: Range, Mode, Median



6 8 9 6 7 9 5

1. What is the mode?

/1

2. What is the range?

/1

3. What is the median?

/1

A, B and C are sets of three single digit cards.

Set A has the **same** total as Set B.

Set B has the **same** median as Set A.

4. Complete the cards in set B

Set A

7

9

4

Set B

3

/2

Set C has the **same** total as Set A. Set C has **double** the range as Set B.

5. Complete the cards in set C

Set A

7

9

4

Set C

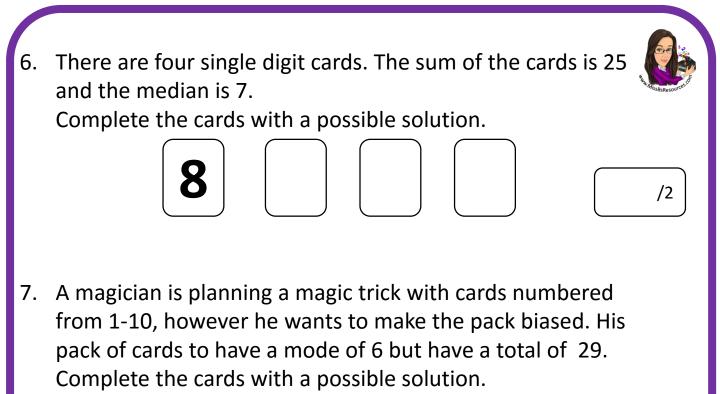




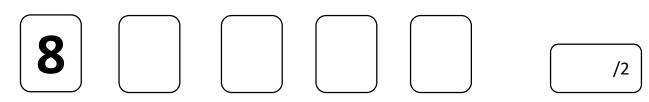


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8. The magician now wants five cards to have a total of 35 and a range of 8. complete the cards with a possible solution.



Skill	Questions	Total Marks	Available Marks
Averages from a list of data.	1, 2, 3		3
Reverse Median	4, 6		4
Reverse Range	5, 8		4
Reverse Mode	7		2
	Total Marks		13

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Answers

Reverse Averages: Range, Mode, Median



6 5 9 6 9 6 7 8

What is the mode?

Mode = 6 and 9

/1

2. What is the range?

Range = 9 - 5 = 4

/1

What is the median?

Median = 7

/1

A, B and C are sets of three single digit cards.

Set A has the same total as Set B.

Set B has the same median as Set A.

4. Complete the cards in set B

Set A

Total = 20Median = 7

Set B

20-8 = 12

12-7=5

/2

Set C has the **same** total as Set A.

Set C has **double** the range as Set B.

Complete the cards in set C

Set A

Total = 20

Range of set B

8 - 5 = 3

20-8 = 12

Range = 6

Set C

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Answers
There are four single digit cards. The sum of the cards is 25 and the median is 7.



Complete the cards with a possible solution.

/2

25-8 = 17

7. A magician is planning a magic trick with cards numbered from 1-10, however he wants to make the pack biased. His pack of cards to have a mode of 6 but have a total of 29. Complete the cards with a possible solution.

/2

9 + 6 + 6 = 2129 - 21 = 8

The magician now wants five cards to have a total of 35 8. and a range of 8. 35 - 8 = 27complete the cards with a possible solution.

6

10

9

/2

Skill	Questions	Total Marks	Available Marks
Averages from a list of data.	1, 2, 3		3
Reverse Median	4, 6		4
Reverse Range	5, 8		4
Reverse Mode	7		2
	Total Marks		13