



MEAN, MEDIAN, MODE, RANGE & QUARTILES

Name _____

Score _____

MM:27

- 1) Shan scores 70, 75, 78 and 85 on his first four economic tests. His mother promises him to buy a gift if he has an average of 80. What score must he make on the next test to get 80?

- 2) A new number is added to a data set to form a new mean. If the new mean is 20, find the number.

5, 10, 12, 18, 24, 14, 5

- 3) The sum of 5 consecutive even numbers is 110. If these numbers are arranged from the smallest to largest, find the median.

- 4) The temperature in $^{\circ}\text{F}$ on 20 days in a city were recorded and are as follows.

70 $^{\circ}\text{F}$, 72 $^{\circ}\text{F}$, 76 $^{\circ}\text{F}$, 76 $^{\circ}\text{F}$, 68 $^{\circ}\text{F}$, 70 $^{\circ}\text{F}$, 81 $^{\circ}\text{F}$, 84 $^{\circ}\text{F}$, 75 $^{\circ}\text{F}$, 85 $^{\circ}\text{F}$, 68 $^{\circ}\text{F}$, 72 $^{\circ}\text{F}$,
71 $^{\circ}\text{F}$, 80 $^{\circ}\text{F}$, 75 $^{\circ}\text{F}$, 86 $^{\circ}\text{F}$, 69 $^{\circ}\text{F}$, 85 $^{\circ}\text{F}$, 76 $^{\circ}\text{F}$, 85 $^{\circ}\text{F}$.

Find the mode and range.

- 5) In the following data, represent Q1, Q2, and Q3.

21, 24, 26, 28, 30, 32, 33



MEAN, MEDIAN, MODE, RANGE & QUARTILES

Name _____

Score _____

Answer key

MM:27

- 1) Shan scores 70, 75, 78 and 85 on his first four economic tests. His mother promises him to buy a gift if he has an average of 80. What score must he make on the next test to get 80?

92

- 2) A new number is added to a data set to form a new mean. If the new mean is 20, find the number.

5, 10, 12, 18, 24, 14, 5

72

- 3) The sum of 5 consecutive even numbers is 110. If these numbers are arranged from the smallest to largest, find the median.

20

- 4) The temperature in °F on 20 days in a city were recorded and are as follows.

70°F, 72°F, 76°F, 76°F, 68°F, 70°F, 81°F, 84°F, 75°F, 85°F, 68°F, 72°F,
71°F, 80°F, 75°F, 86°F, 69°F, 85°F, 76°F, 85°F.

Find the mode and range.

Mode: 76, 85; Range: 18

- 5) In the following data, represent Q1, Q2, and Q3.

21, 24, 26, 28, 30, 32, 33

Q1: 24; Q2: 28; Q3: 32