

Starter

9 MAR 2017

Find the Mode, Median and Mean of the data.

middle

21

91, 98, 87, 76, 100, 45, 72, 85, 92, 88, 87, 90, 91, 66, 100, 99, 67, 85, 79, 80, 85

45, 66, 67, 72, 76, 79, 80, 85, 85, 85, 87, 87, 88, 90, 91, 91, 92, 98, 99, 100, 100

middle

Mode = 85

$$\text{Mean} = \frac{1763}{21}$$

Median = 87

$$\bar{x} = 84$$

Worksheet: Frequency Tables, Mode, Median, and Mean.

1) Lori asked 24 students how many hours they spent doing homework during the previous week.
 10 10 08 08 10
 Use the given data to construct a frequency and relative frequency distribution.

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2) A car insurance company conducted a survey to find out how many car accidents people had been involved in. They selected a sample of 32 adults between the ages of 20 and 70 and asked each person how many accidents they had been involved in in the past ten years. The following data were obtained:
 0 1 0 2 1 0 2
 1 1 1 0 2 4 1
 2 0 0 1 0 2 1 1
 1 1 0 0 1 0 4
 Construct a frequency and relative frequency distribution using classes based on a single value.

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3) Find the mode, median, and mean for # 1.
 Mode _____ Median _____ \bar{x} = _____

4) Find the mode, median, and mean for # 2.
 Mode _____ Median _____ \bar{x} = _____

Solve the problem. Round to the nearest hundredth, if necessary.

5) The following data gives the number of applicants that applied for a job at a given company each month of 1980: 64, 66, 64, 70, 76, 85, 87, 88, 81, 84, 75, 64. What is the mean of the data?

Find the mean for the given sample data. Unless otherwise specified, round your answer to one more decimal place than that used for the observations.

6) Frank's Furniture employees earned the following amounts last week:
 \$331.64 \$305.24 \$355.04 \$322.05 \$375.65
 \$208.87 \$405.48 \$310.25 \$315.16
 What was the mean amount earned by employees last week? Round your answer to the nearest cent.