12-3 Measures of Central Tendency and Dispersion

The data below represent the pulse rates of different people who visited the doctor on a particular day. Use these numbers to answer the questions below. Show your work/logic clearly!

78, 72, 88, 60, 72, 68, 80, 64, 68, 68, 80, 78

1. Find the mean of the data. Show your work!

$$=\frac{872}{12}=72.66$$

$$\bar{\chi} = 72.7$$

2. Find the median of the data. Show your work!

$$\frac{72+72}{2}=72$$

$$\frac{72+72}{2} = 72$$
 | md = 72 |

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2

3. Find the mode(s) of the data.

4. Find the range of the data. Show your work

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5. Graham is a salesman. His total sales on the first four days of the week were \$1280, \$1125, \$965, and \$1210. How much must he have in sales on the 5th day to average \$1150 for the week?

Graham must have \$ 1170 it rake on the 5th day

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