UNDERSTANDING DATA

Mr. Snokes wants to open a pizza shack. It will cost him five dollars to make a pepperoni pizza. He does not want to charge too less or too much, so he asked 60 random people how much would they pay for a pizza. The results of his survey are in the chart below.
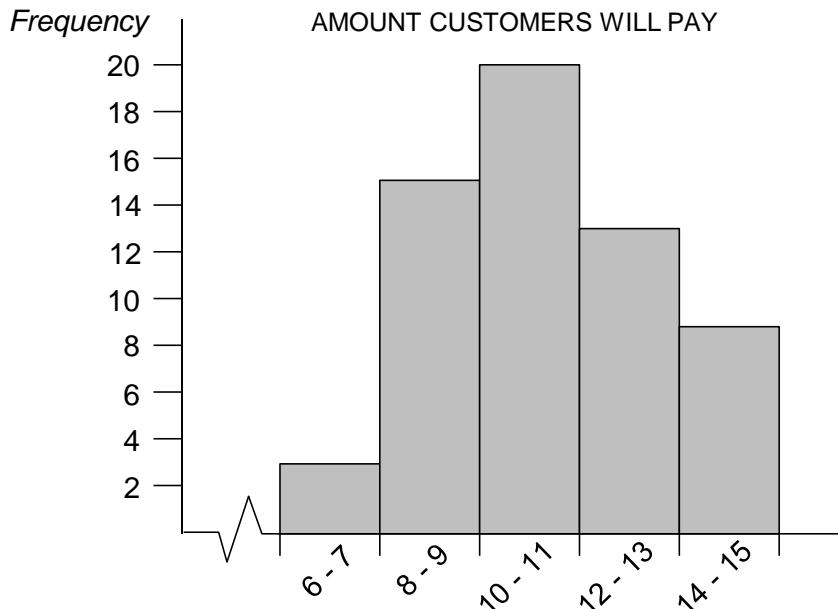
DOLLAR ($) AMOUNT CUSTOMERS WILL PAY

7	11	9	10	14	9	14	15	13	10	9	13
10	8	12	15	13	13	6	10	8	11	10	8
12	15	10	11	8	10	9	12	9	10	14	12
14	11	12	10	15	11	12	10	7	15	11	10
10	9	8	12	9	8	13	11	10	9	8	12

Organize the data in the frequency chart below. Starting with $6.00 use intervals of two to group the data.

AMOUNT WILLING TO PAY ($)

DOLLARS	Tally	Frequency
6-7	|||	3
8-9	~~HHH~~ ~~HHH~~ ~~HHH~~	15
10-11	~~HHH~~ ~~HHH~~ ~~HHH~~ ~~HHH~~	20
12-13	~~HHH~~ ~~HHH~~ |||	13
14-15	~~HHH~~ ||||	9
	TOTAL:	60 People

Fill in the histogram below to better understand the data. Make sure you label the x-axis and y-axis.

AMOUNT CUSTOMERS WILL PAY

Use the table and graph to answer the questions below.

A. Should Mr. Snokes open a pizza shack? WHY?   *Answers will vary*

B. How much should he charge for a pepperoni pizza? WHY?