

Name: _____ Period: _____ Date: _____

Frequency and Histogram Exit Quiz

Solve problem involving frequency table and histogram.

The table below shows the Ages of patients in Hospital X, June 2004

Age (in years)	Frequency
60-68	1
51-59	2
42-50	3
33-41	2
24-32	20
15-23	5
6-14	3

1. What is the class size of the frequency distribution table?
2. What is/are the most frequent classes according to the table?
3. What is/are the least frequent classes according to the table?
4. What is the difference between the most frequent classes from the second most frequent classes?
5. Construct a histogram for the frequency distribution table above.

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Answer:

Solve problem involving frequency table and histogram.

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1. What is the class size of the frequency distribution table?

$$68 = 60 + (i-1) ; 68 = 59+i; 68-59 = i; i = 9$$

2. What is/are the most frequent classes according to the table?

The most frequent class is 24 -32 years old with a frequency of 20.

3. What is/are the least frequent classes according to the table?

The least frequent class is 60-68 years old with a frequency of 1.

4. What is the difference between the most frequent classes from the second most frequent classes?

The frequency of the most frequent classes is 20 while the next after it is 5, the difference is 15.

5. Construct a histogram for the frequency distribution table above.

