

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

**Learning Target:** I can organize and represent data using tables, dot plots, line plots, bar graphs, histograms and box plots.

Harry earned the following test scores in math this marking period:

65, 75, 81, 78, 90, 99, 85, 85, 85, 87, 66, 92, 97, 72, 78, 60, 72, 72

Order the data from least to greatest

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Determine the following measures based on the data set.

(1) Median:

Answer: \_\_\_\_\_

(2) Mode:

Answer: \_\_\_\_\_

(3) Mean

**Show your work:**

Answer: \_\_\_\_\_

(4) Range:

**Show your work:**

Answer: \_\_\_\_\_

(5) First Quartile:

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Answer: \_\_\_\_\_

(6) Third Quartile:

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Answer: \_\_\_\_\_

(7) Interquartile Range:

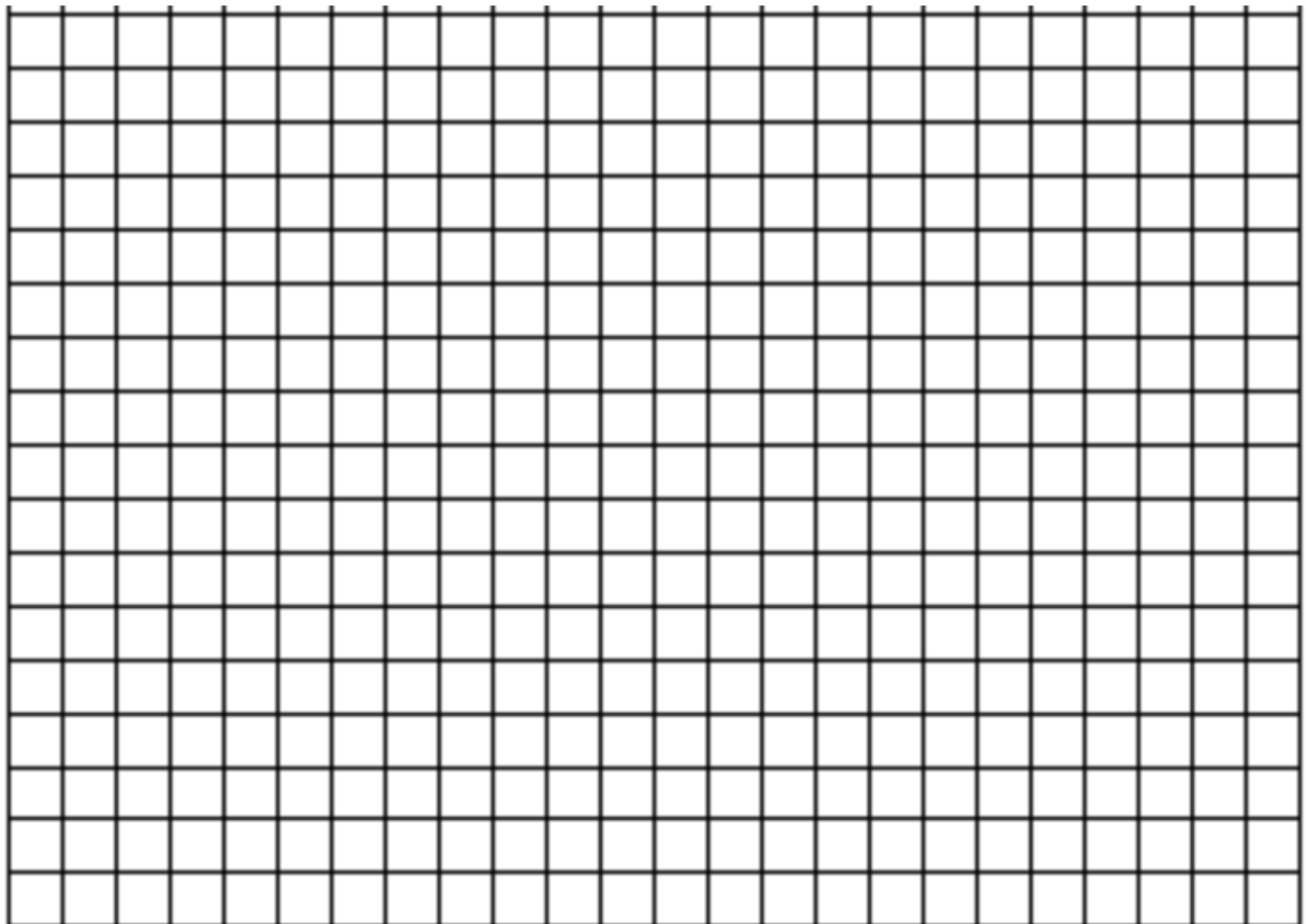
**Show your work:**

Answer: \_\_\_\_\_

(8) Construct a frequency table to be able to construct a histogram

| Test Score | Frequency | Total |
|------------|-----------|-------|
| 65 - <70   |           |       |
| 70 - <75   |           |       |
| 75 - <80   |           |       |
| 80 - <85   |           |       |
| 85 - <90   |           |       |
| 90 - <95   |           |       |
| 95 - <100  |           |       |

(9) Construct a histogram.



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**Learning Target:** I can organize and represent data using tables, dot plots, line plots, bar graphs, histograms and box plots.

Alisa earned the following amounts walking dogs during 15 days in July:

15, 20, 12, 15, 8, 15, 25, 30, 15, 12, 15, 30, 20, 25, 22, 11, 10, 15, 18, 16, 15

Order the data from least to greatest

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Determine the following measures based on the data set.

(1) Median:

Answer: \_\_\_\_\_

(2) Mode:

Answer: \_\_\_\_\_

(3) Mean

**Show your work:**

Answer: \_\_\_\_\_

(4) Range:

**Show your work:**

Answer: \_\_\_\_\_

(5) First Quartile:

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Answer: \_\_\_\_\_

(6) Third Quartile:

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Answer: \_\_\_\_\_

(7) Interquartile Range:

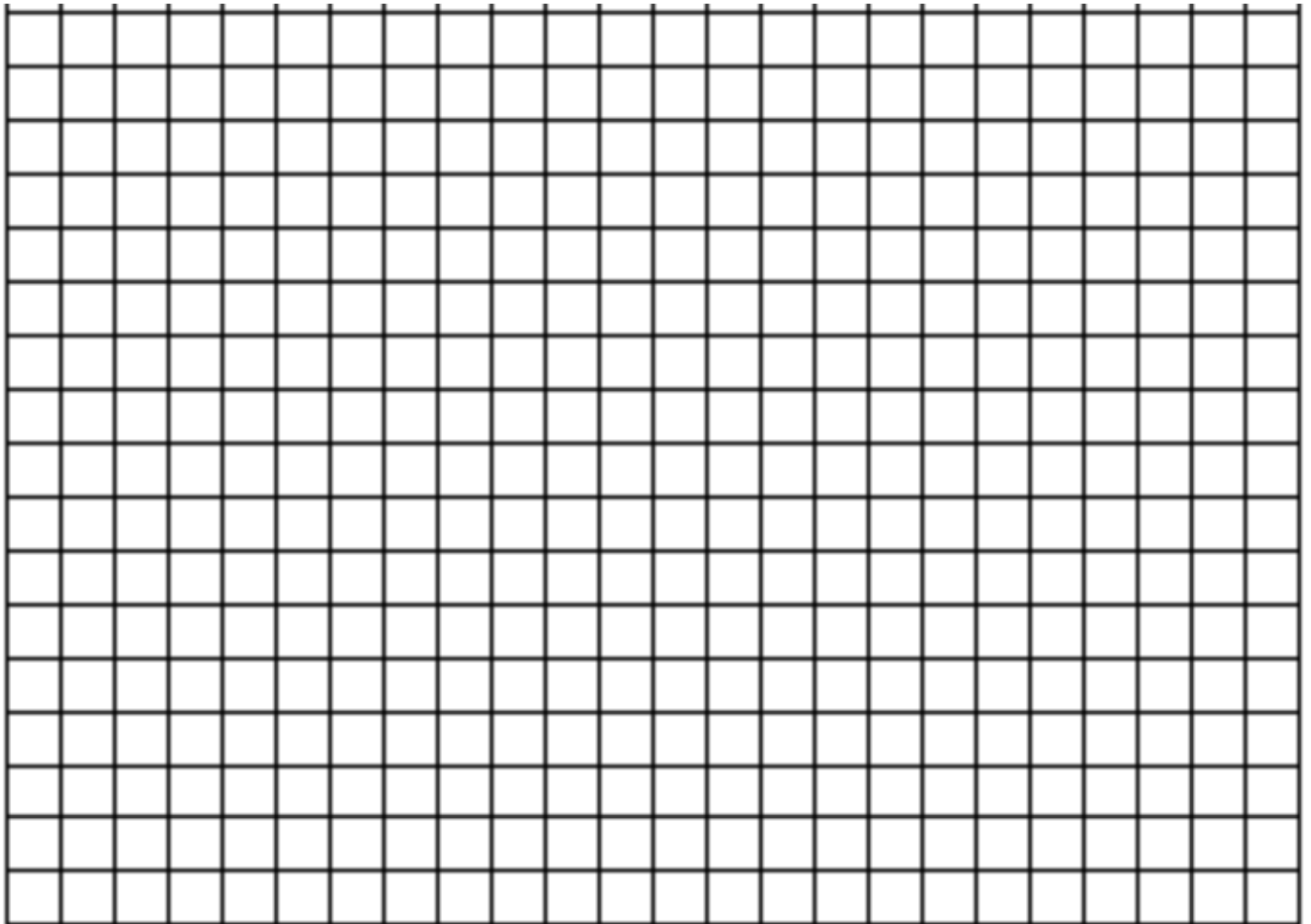
**Show your work:**

Answer: \_\_\_\_\_

(8) Construct a frequency table to be able to construct a histogram

| Money Earned | Frequency | Total |
|--------------|-----------|-------|
| 5 - <10      |           |       |
| 10 - <15     |           |       |
| 15 - <20     |           |       |
| 20 - <25     |           |       |
| 25 - <30     |           |       |
| 30 - <35     |           |       |

(9) On graph paper construct a histogram.



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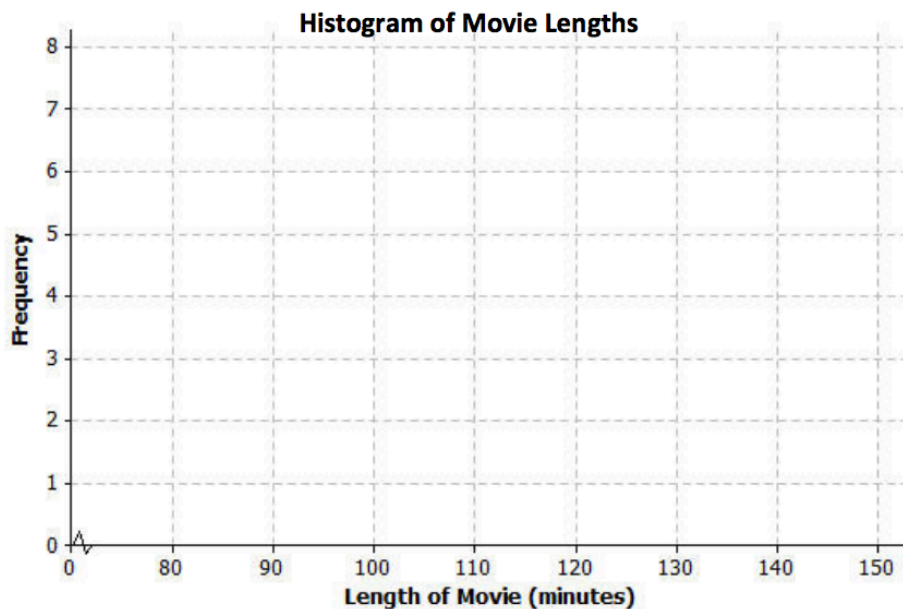
**Exit Ticket**

**Directions:** Create a histogram from the frequency table displayed below.

The frequency table below shows the length of selected movies shown in a local theater over the past six months.

| Length of Movie (minutes) | Tally | Frequency |
|---------------------------|-------|-----------|
| 80-< 90                   |       | 1         |
| 90-< 100                  |       | 4         |
| 100-< 110                 | +++   | 7         |
| 110-< 120                 | +++   | 5         |
| 120-< 130                 | +++   | 7         |
| 130-< 140                 |       | 3         |
| 140-< 150                 |       | 1         |

1. Construct a histogram for the length of movies data.



| Readiness  | Positive Contribution  | Understanding  |
|--|--|--|
| <input type="checkbox"/> Arrived to class on time<br><input type="checkbox"/> Actively worked on do now<br><input type="checkbox"/> Completed do now | <input type="checkbox"/> Followed along with video notes<br><input type="checkbox"/> Completed all class notes | <input type="checkbox"/> Actively worked to complete the practice problems<br><input type="checkbox"/> Accurately answered the exit ticket |
| /10  | /30  | /60  |

Comments:

Grade: \_\_\_\_\_