Lesson # 35

Statistics: Line Plots

Date

Warmup

1. *Solve and Check*

$p - 32.7 = 12.3$

2. $6t + -8t$

3.

$4 - -3 =$ _____

$-5 + 8 =$ _____

$-6 + -4 =$ _____

$-3 - -9 =$ _____

4. The 20 students in Luke's Calculus group were told to conduct a survey, then calculate the mean (rounded to 1 decimal places), median, and mode of the data. The group decided to find the average of their last test grade. The data set is 70, 90, 90, 60, 60, 100, 80, 70, 60, 80, 40, 30, 30, 100, 100, 90, 100, 30, 40, 60.

mean (rounded to 1 decimal places)

Median

Mode(s) of the data

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I. Line Plots

Homeschool Honor Roll
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Pre-Algebra and Geometry I
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I. Line Plots

Use a line plot to graph the data for Luke's Calculus group

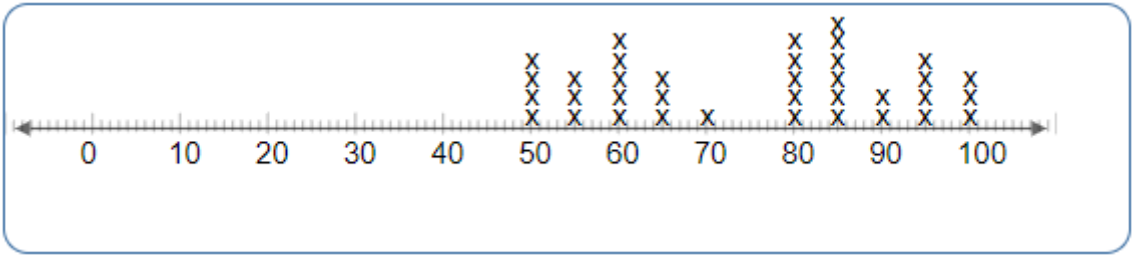
Each x represents one test with the score.

Line Plots: One method of graphing data to help analyze and summarize the information.

Tick Marks are _____ spaced

Tick Marks include the lowest and highest members of the data.

5. The line plot represents the class grades on an arithmetic test. Use the graph to answer the following questions.

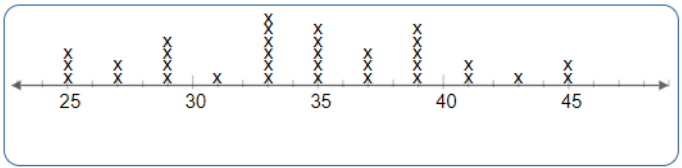


How many students scored 100?_____

How many students scored 75?_____

How many students are in the class (assuming all students took the test?)_____

8. The line plot represents the cost of a jacket at different clothing stores. Use the graph to answer the following questions.



How many stores sold the jacket for $39?_____

How many stores sold the jacket for $33?_____

How many stores are represented in the line plot?_____

Draw a line plot to represent the ages of the children on the swim team. The ages of the children are 11, 13, 14, 15, 12, 8, 9, 16, 14, 14, 13, 11, 10, 8, 16, 18, 17, 10, 14, 15, 13, 14, 15, and 13.

10. Draw a line plot to represent the ages of the children on the swim team. The ages of the children are 11, 13, 14, 15, 12, 8, 9, 16, 14, 14, 13, 11, 10, 8, 16, 18, 17, 10, 14, 15, 13, 14, 15, and 13.