

Name \_\_\_\_\_

Date \_\_\_\_\_

Stem Plots and Mean, Median and Mode Pre-Test

**Step One: Consider the following data**

Science Marks for First Term

Grade Five Boys

45	76	58	89	59	87	65	78	78	78	67	75	95	88	59
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Grade Five Girls

47	75	64	85	72	87	59	79	79	58	67	93	77	88	79
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**Step Two: Find the range in the data for the Grade Five Boys and Girls**

\*Lowest Science Mark - Highest Science Mark

Range for 5 boys \_\_\_\_\_ Range for 5 girls \_\_\_\_\_

**Step Three: Complete two stem and leaf plot charts in the space below for the data above.  
(Don't Forget your titles)**

\_\_\_\_\_

<b>4</b>	
<b>5</b>	
<b>6</b>	
<b>7</b>	
<b>8</b>	
<b>9</b>	

\_\_\_\_\_


**Step Four: Find the Mean, Median and Mode for the Grade 5 and 6 Data**

**Mean:** Add all of the students' marks and divide by the number of students

**Mode:** Find the number that is repeated most often

**Median:** Find the middle number in the data set (\*If there are two middle numbers add them and divide by two) \*Calculators Allowed

**Boys' Data**

Mode (Number repeated most often) \_\_\_\_\_

Median (Middle number in data set) \_\_\_\_\_

Mean (Add all numbers and divide by number of data entries)

$$\frac{\text{_____}}{15} =$$

**Girls' Data**

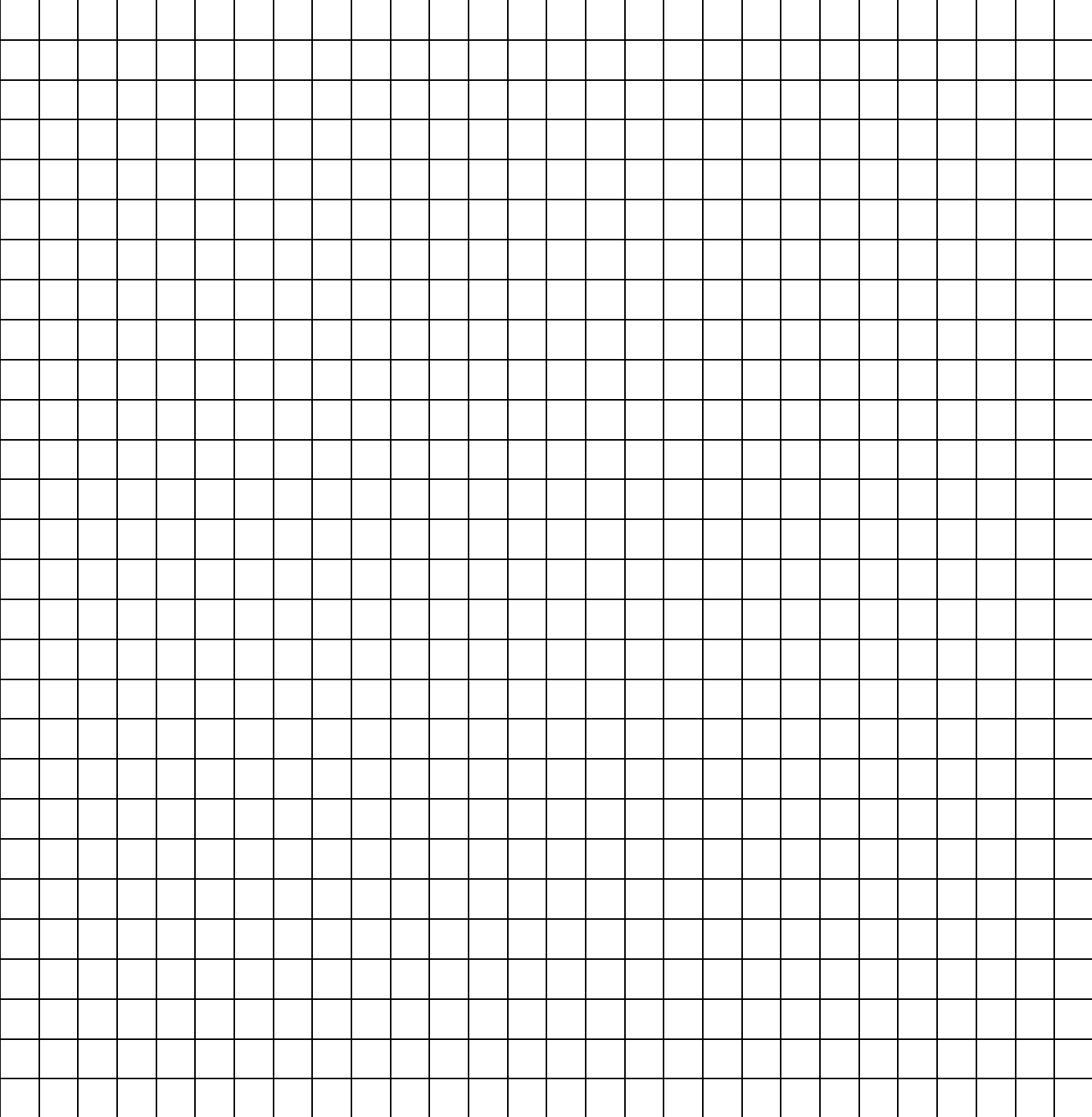
Mode (Number repeated most often) \_\_\_\_\_

Median (Middle number in data set) \_\_\_\_\_

Mean (Add all numbers and divide by number of data entries)

$$\frac{\text{_____}}{15} =$$

Step Five: Create a double bar graph that will display the data from the stem charts. Your graph will need a title, date, labeled x axis, labeled y axis, written descriptions for the horizontal and vertical axes, proper increment marks, proper numbering, and correctly displayed data. Remember to be neat. Use a ruler!



Step One: Consider the following data

Homework slips assigned per student for 2012

Grade Five Students

17	14	2	34	18	18	17	13	24	25	28	25	46	25	25
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Grade Six Students

25	15	25	21	24	23	4	9	1	15	24	24	33	30	15
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Step Two: Find the range in the data for the Grade Six and Five Students

Range for 5's \_\_\_\_\_ Range for 6's \_\_\_\_\_

Step Three: Create 2 stem plot charts in the space below one for the Grade 5's and one for the Grade 6

\_\_\_\_\_


\_\_\_\_\_


Step Four: Find the Mean, Median and Mode for the Grade 5 and 6 Data

Grade 5 Mean = \_\_\_\_\_ Grade 6 Mean = \_\_\_\_\_

Grade 5 Mode = \_\_\_\_\_ Grade 6 Mode = \_\_\_\_\_

Grade 5 Median = \_\_\_\_\_ Grade 6 Median = \_\_\_\_\_

Step Five: Create a double bar graph that will display the data from the stem charts. Your graph will need a title, date, labeled x axis, labeled y axis, written descriptions for the horizontal and vertical axes, proper hash marks, proper numbering, and correctly displayed data. Use a ruler

