Dot Plots
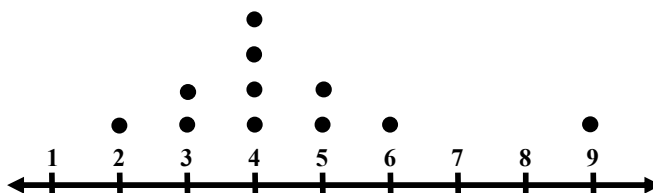
Name: _____

Example: Plot the following on numbers on the line below.

3, 4, 4, 3, 5, 6, 4, 5, 4, 2, 5, 9.

The number '**9**' is called an '**outlier**' because it is away from the rest.

1) For the following numbers:

10, 12, 14, 15, 13, 13, 2, 12, 13, 14, 15.

a) What is the **lowest** and **highest** numbers? Lowest = ___ , Highest = ___ .

b) Put the number, from lowest to highest, on the line below.

c) Add the numbers (data) as dots to the line above.

d) Which number is the **outlier(s)**? _____

e) What is the '**Range**' (**Highest Score – Lowest Score**) for this data?   ___ - ___ = ___

f) What is the '**Mode**' (**the score that occurs the most**)?   ___

g) What is the '**Median**' (**the middle score, when in order**)?   ___

h) What is the '**Mean**' (Sum of scores ÷ Number of Scores)

(__ + __ + __ + __ + __ + __ + __ + __ + __ + __ + __) ÷ (__) = __

2) Draw a dot plot for the numbers 5, 6, 5, 7, 5, 6, 8, 8, 9 on the line below.

3) Draw a dot plot for the numbers -3, -2, 0, 1, 3, 0, 1, -2, 3, 0 on the line below.

$\longleftrightarrow$

4) Use the dot plot below to answer the questions below.

a) Which number is the **outlier(s)**? _____

b) What is the '**Range**' (**Highest Score – Lowest Score**) for this data?   ___ - ___ = ___

c) What is the '**Mode**' (**the score that occurs the most**)?   ___

d) What is the '**Median**' (**the middle score, when in order**)?   ___

e) What is the '**Mean**' (**Sum of scores ÷ Number of Scores**)

(__ + __ + __ + __ + __ + __ + __ + __ + __ + __) ÷ (__) = __

_____

5) Use the dot plot below to answer the questions below.

a) Which number is the **outlier(s)**? _____

b) What is the '**Range**' (**Highest Score – Lowest Score**) for this data?   ___ - ___ = ___

c) What is the '**Mode**' (**the score that occurs the most**)?   ___

d) What is the '**Median**' (**the middle score, when in order**)?   ___

e) What is the '**Mean**' (Sum of scores ÷ Number of Scores)

(__ + __ + __ + __ + __ + __ + __ + __ + __ + __) ÷ (__) = __