

Unit 6 Review Packet

Name _____

Date _____

1. Fill in the ovals to match the words with their definitions.

a. Median

- the number in the middle
- the most common number
- numbers added & divided by total number
- first & last numbers added & divided by two

d. Maximum

- the biggest number
- the smallest number
- subtract the smallest from the biggest number
- subtract the biggest from the smallest number

b. Mean

- the number in the middle
- the most common number
- numbers added & divided by total number
- first & last numbers added & divided by two

e. Minimum

- the biggest number
- the smallest number
- subtract the smallest from the biggest number
- subtract the biggest from the smallest number

c. Mode

- the number in the middle
- the most common number
- numbers added & divided by total number
- first & last numbers added & divided by two

f. Range

- the biggest number
- the smallest number
- subtract the smallest from the biggest number
- subtract the biggest from the smallest number

2. Georgie asked nine kids in his fifth grade class how many PlayStation games they own. Here are the results of his survey:

0 5 9 8 4 0 7 12 14

a. What was the median number of games owned? _____

b. Georgie concluded that the typical fifth grader owns about seven PlayStation games.

Do you agree or disagree with his conclusion? Why? _____

c. Describe two ways Georgie could improve his survey. _____

3. Explain one way to rename $\frac{4}{5}$ as a percent without using a calculator.

4. Circle each stem and leaf plot with a median of 12. Put an X through each stem-and-leaf plot with a mode of 15. (There may be more than one.)

Stems (10s)	Leaves (1s)
0	3 5 5 7 9
1	0 1 2 3 5 7
2	0 1 2 2

Stems (10s)	Leaves (1s)
0	4 6 8
1	2 5 5
2	0

Stems (10s)	Leaves (1s)
0	3 5 5 7 9
1	0 5 5 5 5 7
2	0 1 2 2

5. One survey reported favorite colors for fifth graders. The results of the survey were as follows:

Blue: 35% Green: 20%
Red: 25% Yellow: 8%
Purple: 12%

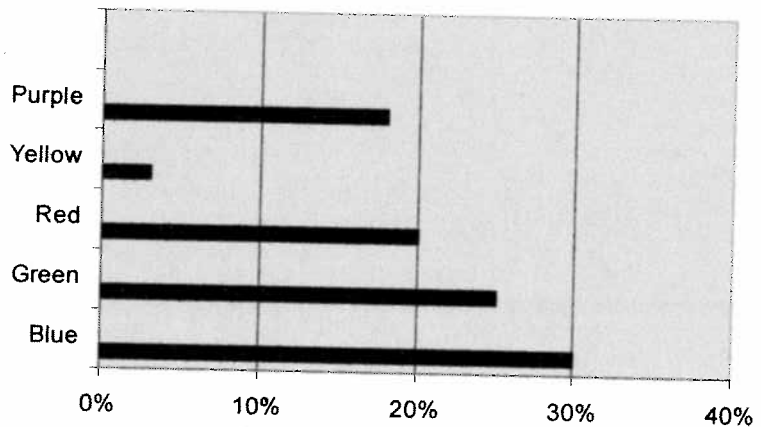
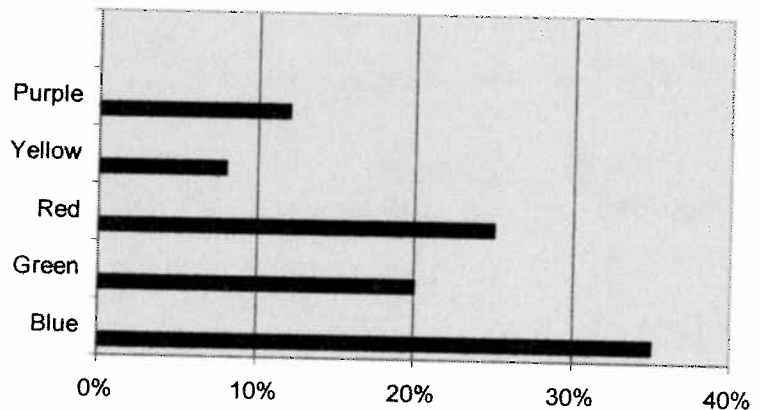
a. Circle the graph that correctly represents the data above.

b. If 100 students answered the survey, how many of them chose "purple"?

c. If 200 students answered the survey, how many of them chose "blue"?

d. If 50 students answered the survey, how many of them chose "green"?

e. In order to get accurate results, how many people should be interviewed?



6. Solve.

a. $\frac{4}{7} - \frac{1}{7} =$ _____

b. $\frac{7}{9} + \frac{1}{3} =$ _____

c. $\frac{1}{4} + \frac{1}{2} =$ _____

d. $1 - \frac{4}{7} =$ _____

e.
$$\begin{array}{r} \frac{8}{9} \\ - \frac{2}{3} \\ \hline \end{array}$$

f.
$$\begin{array}{r} \frac{7}{8} \\ + \frac{1}{2} \\ \hline \end{array}$$

g.
$$\begin{array}{r} \frac{5}{7} \\ - \frac{1}{3} \\ \hline \end{array}$$

h.
$$\begin{array}{r} \frac{7}{8} \\ + \frac{5}{6} \\ \hline \end{array}$$

7. a. Use your ruler to draw a line segment that is $3\frac{5}{8}$ inches long.

b. If you erased $\frac{3}{4}$ inch from this line segment, how long would it be? _____

c. If you doubled the length of the original line segment, how long would it be? _____

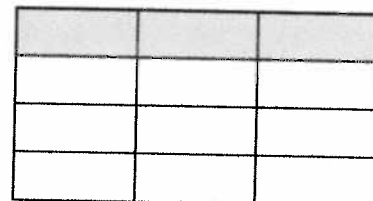
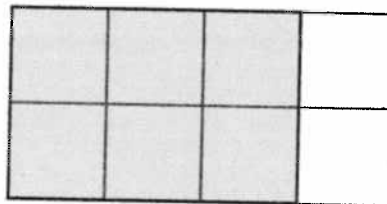
8. Circle the fraction pair that is represented in the drawing below.

$\frac{7}{9}$ and $\frac{1}{3}$

$\frac{1}{4}$ and $\frac{1}{2}$

$\frac{3}{4}$ and $\frac{1}{4}$

$\frac{5}{8}$ and $\frac{1}{2}$



Unit 6 Study Guide

1. Know how to find the mean, median, mode, maximum, minimum, and range for a set of numbers.
2. Be able to convert fractions to decimals and percents.
3. Be able to find common denominators for two fractions.
4. Be able to read + interpret line plots.
5. Be able to add + subtract fractions with like + unlike denominators.

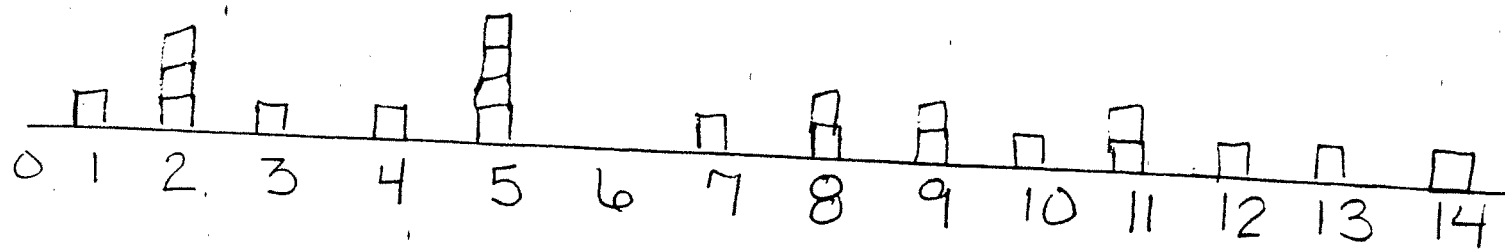
6. Understand that the more people you survey, the better the results. Always survey as many as possible.

7. Surveys need a "representative sample." That means to survey all kinds of people from everywhere, not just boys from our classroom (for example).

8. Be able to plot numbers onto a stem + leaf plot.

9. Be able to interpret data from a stem + leaf plot.

1. Twenty-one 5th graders were asked how many states they have visited. The graph shows the results



1. What is the maximum number of states visited? _____
2. What is the minimum number of states? _____
3. What is the range? _____
4. What is the mode? _____
5. What is the median? _____