Nai	me Date							
	Simple Machines Study Guide							
*Knov	v the definition of each word.							
1.	motion:							
2.	position:							
3.	speed:							
4.	velocity:							
5.	force:							
6.	friction:							
	gravity:							
	v the definition of each simple machine.							
	inclined plane:							
	screw:							
	lever:							
4.	wedge:							
5.	pulley:							
6.	wheel & axle:							
	G SYMPE NACTS							
	v two examples of each type of simple machine.							
1.	inclined plane:,							
	screw:,							
3.	lever:,							
	wedge:,							
5.	pulley:,							
6.	wheel & axle:,							
rodo com								
'Defi	ne simple machine:							

*How do simple machines impact your life? Give an example.

Estimate Sums and Differences

Estimate the sum of 477 and 592.

Round each addend to the nearest hundred.

Then add the rounded numbers.

$$\begin{array}{ccc}
477 & 500 \\
+592 & +600 \\
\hline
1,100
\end{array}$$

So, 477 + 592 is about 1,100.

You can get a closer estimate by rounding to a lesser place value. Round each addend to the nearest ten. Then add the rounded numbers.

$$477 \rightarrow 480 \\ +592 \rightarrow +590 \\ \hline 1,070$$

So, 477 + 592 is about 1,070.

Round each number to the nearest ten. Then estimate.

Round each number to the nearest hundred or dollar.

Then estimate.

8.
$$4,872 + 6,228$$

Whole Number Rounding Review

DATE:

Georgia Football Game)

NAME:

birthday party)

Use the chart below to answer questions 1 - 4.

Counties	Population
Forsyth	86,394
Gwinnett	146,687
Dawson	8,136
Fulton	248,697

3. What was the population of Fulton rounded to the nearest **thousand**?

2. What was the population of Gwinnett rounded to the nearest ten?

4. If your teacher asked you to round all four counties to the same place value, what place value would you round to and why? _____

5. Give an example of real life situations in which you would need to round the number of people in attendance to the nearest ten, hundred, and thousand. An example of each has been given to you.

Ten Hundred The number of people at a (The number of people in 5th (The number of people at a

grade)

- 6. Mark has 156 video games. Round the number of video games to the nearest hundred.
- 7. 4th grade has **8,456** box tops. Round the number of box tops to the nearest **thousand**.
- 8. John has 2,579 silly bands. Round the number of silly bands to the nearest hundred.
- 9. Which of the following is the closest **estimate** for the **sum** of 843 + 548, rounded to the greatest place value? **Show your work.**

10. Which of the following is closest **estimate** for the **difference** of 468-127, rounded to the greatest place value? **Show your work.**

Complete the table below for questions 11 - 13.

Skyscrapers	Height	Height Rounded to Nearest 10	Height Rounded to Nearest 100	Height rounded to Nearest 1,000
Trump Hotel	1,362	1,360	11	1,000
Empire State Building	1,250	12	1,200	1,000
Water Tower Place	859	860	900	13

Use the information in the table to complete questions 14 and 15.

State	Population in 2008	Population rounded to nearest thousand	Persons per square mile	Persons per square mile rounded to nearest ten
Tennessee	6,296,254	14	289	15