GRXX-ESSENTIAL MATH

UNIT X – NAMING AND ROUNDING

One Millions	Hundred Thousands	Ten Thousands	One Thousands	Hundreds	Tens	Ones	Decimal point	Tenths	Hundredths	One-Thousandths	Ten-Thousandths	Hundred-Thousandths	One-Millionths
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Place Value Chart

1. Use a number to represent Four Million, Two-hundred thirty-nine thousand, three hundred eight:

2. Make a number to represent three hundred sixteen and five tenths

3. Make a number to represent thirty two thousand, nine hundred ninety one and seventeen one hundredths.

4. Say each number out loud. Then, write the name of each <u>indicated</u> decimal place:

72<u>5</u>	7,82<u>3</u>	11,7<u>1</u>7,555
9.64<u>5</u>6	7.<u>1</u>11	2.7<u>4</u>939

5. **Rounding decimals**. To round to a given place value, look at the digit to the immediate right of the rounding place. If the digit to the right of the rounding place is ***5 or more*** then round the indicated place up by one and remaining digits become zero. There may sometimes be a 'carry' If it is less than five then no change to the rounding place, remaining digits become zero.

Examples: Round at the indicated place: 26,5<u>6</u>7 → 26, 570; <u>3</u>48 →300 ;

37.9<u>6</u>87 → 37.97~~00~~ 2.675<u>8</u>9 → 2.6759 37.99 → 38.00 → 38

6. Say the number out loud. Then round the number to the place indicated. Then say the rounded number out loud again.

a. 1, 204, 359	b. 34.789	c. 345.67	d. 21.758
e. 2.129	f. 2.718281828	g. 3.14159	h. 22.456
f. 186,282.36	g. $2.99 * 10^{8}$	h. 42.989	i. 899,902.35

7. Josh owes me $6,437. All he has is $10's. Round what he owes me to the nearest $10.

8. Kendra owes me 56 perogies, they only come in packages of 10. Rounding it to the nearest 10 how many perogies she will give me.

9. Bobby owes me $567, he only has $20's. How much will he pay me if we round to the nearest $20.