GNIFIC	ANT FIGURES Name	
cientist mi	nt can only be as accurate and precise as the instrument that prest be able to express the accuracy of a number, not just its numer mine the accuracy of a number by the number of significant figuration.	ical ve
1) All digits 1-9 inclusive are significant. Example: 129 has 3 significant figures. 2) Zeros between significant digits are always significant. Example: 5,007 has 4 significant figures. 3) Trailing zeros in a number are significant only if the number contains a decimal point. Example: 100.0 has 4 significant figures. 100 has 1 significant figure. 4) Zeros in the beginning of a number whose only function is to place the decimal point are not significant. Example: 0.0025 has 2 significant figures. 5) Zeros following a decimal significant figure are significant. Example: 0.000470 has 3 significant figures. 0.47000 has 5 significant figures.		
etermine t	e number of significant figures in the following numbers.	
. 0.02	6. 5,000. <u></u>	
2. 0.020	7. 6,051.00	
3. 501 _	8. 0.0005	
4, 501.0	9. 0.1020	

Determine the location of the last significant place value by placing a bar over the algir.

Example: 1.700)

1.	8040	
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2	699.5	
ວ.	077.0	

9.
$$3.01 \times 10^{21}$$

5.	0.90100	-11
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Name:	Date:	

Significant Figures

Addition and Subtraction

Complete the following problems and round to the correct number of significant figures.

1.	35.6 + 56.27	=	
2.	4.337 + 84.7128	=	
3.	6.2 + 4.114	=	
4.	7.331 + 12.42	=	
5.	22.5285 + 22.14 + 4.266	=	
6.	88.489 + 7.133 + 6.5	=	
7.	48.835 - 9.1	=	
8.	16.221 - 8.28	=	
9.	101.12 - 98.7		
10.	13.7 + 25.466	=	
11.	45.758 - 33.22	=	
12.	19.6 - 8.77	entire in	
13.	23 + 16.4 + 22.0	=	
14.	24.5764 - 1.9833	=	
15.	8.31 + 7.2 + 9.4626	=	
16.	3.94 + 68.77 + 83.197	=	
17.	12.484 + 3.6	=	
18.	19.117 - 8.11	=	
19.	7.6924 + 9.6 - 4.888		
20.	19.8 - 8.75 + 11	=	

Name:	 Date:	

Significant Figures

Multiplication and Division

Complete the following problems and round to the correct number of significant figures.

1.	6 x 0.30	==	
2.	$0.03 \times 7 \times 210$	=	
3.	11.6 × 6.24	=	
4.	0.004 x 5280		
5.	500.55 ÷ 5.11	=	
6.	1000 ÷ 8.2	=	
7.	51.6 x 31.4	=	
8.	8088 x 0.4	=	
9.	204.17 ÷ 3.2		
10.	31.2 x 4.1	-	
11.	8000 ÷ 9.7	=	
12.	35.45 x 6.1	=	
13.	1.1 x 3.25	=	
14.	1000 ÷ 19.7	winds palmings	
15.	10.0 x 0.02	==	
16.	6848 ÷ 2.4	=	
17.	3.3 x 2.7	=	
18.	31.66 ÷ 0.02	dilinda Valueto	
19.	9.66 ÷ 0.33	=	
20	12 4 x 12 8 x 16	-	