

Aug 28-7:24 AM

Learning Objectives: Students will be able to determine how many significant figures a number has and how to correctly round mathematical answers.



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Put the following in Scientific Notation (try these before class, we will go over them in class)					
34.342	0.00202		3,430,000		
230,0	000	11.424	0.000	3	
0.00342	50,043	3	123.456		



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Sig Figs.notebook



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How many sig figs do each of the following have?				
342.023	3.230 x 10 ⁻³	43000		
0.000432	320.030	0.00321		
14.0345	5000	3200.2		
0.00330	320	20.0001		

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How to round:

Determine how many sig figs you are keeping, look at the number after the one you are keeping and round up if it is >5, round down if it is <5.

If the next number is =5 and there are any numbers after the 5, round up, otherwise round even.

Consider the number:	46,355
Rounded to 1 sig fig	50,000
Rounded to 2 sig figs	46,000
Rounded to 3 sig figs	46,400
Rounded to 4 sig figs	46,360



Rules for adding/subtracting with sig figs

1) Make sure all numbers are in the same unit of measurement.

2) Add or Subtract

4) Round the answer to the least number of decimal places

*note - you can gain or lose sig figs when adding or subtracting

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Complete the assignment on Significant Figures in Google Classroom.