

Significant figures: Intro

Name: _____

Complete the following problems by using the correct number of significant figures in the answers.

1. # of sig fig's in 50: 1 # of sig fig's in 2: 1 # in answer: 1
 $50/2 = \underline{25 = 30}$
2. # of sig fig's in 50.000: 5 # of sig fig's in 2.0000: 5 # in answer: 5
 $50.000/2.0000 = \underline{25.000}$
3. # of sig fig's in 50.0: 3 # of sig fig's in 2: 1 # in answer: 1
 $50.0/2 = \underline{25}$
4. $50 / 3 = \underline{17}$
5. $50.000/2.00000 = \underline{25.000}$
6. $50.0/3 = \underline{17}$
7. $3 / 2 = \underline{2}$
8. $3.000 / 2.000 = \underline{1.500}$
9. $3.00 / 2 = \underline{2}$
10. $2 / 3 = \underline{1}$
11. $2.0000 / 3.0000 = \underline{0.6667}$
12. $2.0000 / 3 = \underline{0.7}$

You have likely noticed that applying Significant Figure rules can give an answer that doesn't make sense. That's way accurate and precise measurements are vital!