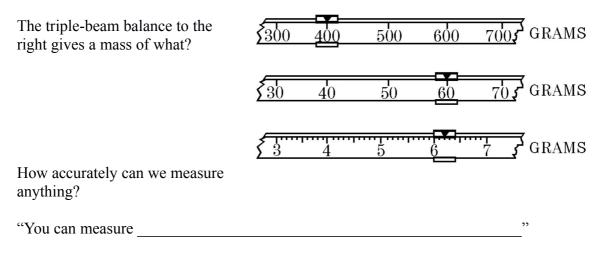
0.4 Significant Figures Notes



So you have 11 identical rocks on the beam above. What is the mass of each rock?

	Answer:	
		(to be answered at the end of the lesson)
s".		

This is why we need "sig figs"

Counting Sig Figs

Just *two* situations (compared to your book's 5 "rules" on page _____)

Situation 1:	Situation 2:
Start from	Start from
End at	End at
Examples:	Examples:
Tricky Examples:	Tricky Examples:

Calculating Sig Figs

"Can only be as sure as _____"

Multiplying or Dividing:

We care about	
Examples:	

Find density if 25.42 g = mass, 32.4 = mL.

Adding or Subtracting:

We care about _	
Examples:	-

Mr. Newman measured his child and saw that he grew from 50.4 cm to 55.234 cm in the first week of his life. How much did he grow?

(More practice can be found on page _____)

Special Cases for Sig Figs

When talking about exact values, treat them like they have ______ sig figs.

Example: 5 apples in a basket. Misguided students: "Are we sure there are *exactly* 5?" "Maybe there are 5.0001 apples?"

Example 2: convert mm to m.

(Hey, you can do the problem on the other side of the notes now!)