

Rules for Rounding

Greater than 5

Round up

Less than 5

Round down

Exactly 5?

Odd/Even Rule

Check the number before the 5...

odd

round up

even

round down

Rounding Practice

Round to 3 sig figs:

a. 427.6 cm

b. 427.4 cm

c. 427.5 cm

d. 426.5 cm

e. 426.51 cm

**To be completed in class!
(leave space to the right of each
number)**

Showing Math Work

1. All numbers must include *units*
2. Use “x” for multiplication (don’t use a dot)
3. For numbers less than 1, use a 0 before the decimal point (ex: 0.5)
4. Calculations must include operation symbols (x, /, +, −, =, etc.)
5. Combine or cancel units as if they were algebraic variables
6. Box final answers

Rules for Calculations

Addition and Subtraction:

Round answers to match the decimal place value of the number with the fewest decimal places.

1	2	3	.	4	5	6
<i>hundreds</i>	<i>tens</i>	<i>ones</i>		<i>tenths</i>	<i>hundredths</i>	<i>thousandths</i>

Calculation Practice

Perform the following calculations. Express each answer to the correct number of sig figs:

a. $5.44 \text{ g} - 2.6103 \text{ g} =$

b. $10 \text{ cm} + 1 \text{ cm} =$

To be completed in class!
(leave 1 line underneath each problem)

Rules for Calculations

Multiplication and Division:

Round answers to match the number of sig figs as the number with the fewest sig figs.

Calculation Practice

Perform the following calculations. Express each answer to the correct number of sig figs:

a. $5.44 \text{ m} \times 2.610 \text{ m} =$

b. $2.451 \text{ g} / 15 \text{ mL} =$

To be completed in class!
(leave 1 line underneath each problem)