

Homework Check #1

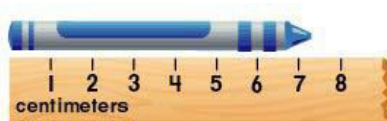
Name _____

Enter all answers in the boxes to the right.

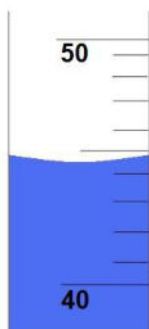
1. Record the length of the caterpillar to the appropriate number of significant figures.



2. Record the length of the crayon to the appropriate number of significant figures.



3. The amount of water in the graduated cylinder is _____ mL.



Identify the number of significant figures in each measurement:

4. 0.0050
5. 3078.00
6. 20,009

Round each measurement to 2 significant figures.

7. 9.548
8. 789

Perform the following operations using the rules for calculating significant figures.

9. $24.03 \text{ mL} + 15.7 \text{ mL} + 4 \text{ mL}$
10. $6.23 \text{ m} \times 1.794 \text{ m}$

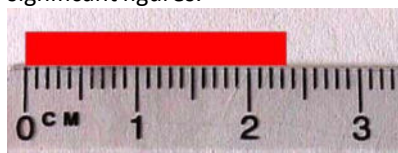
Answers	
1.	2.70 cm ± 0.01
2.	7.3 cm ± 0.1
3.	44.3 ml ± 0.1
4.	2
5.	6
6.	5
7.	9.5
8.	790
9.	44 ml
10.	11.2 m ²

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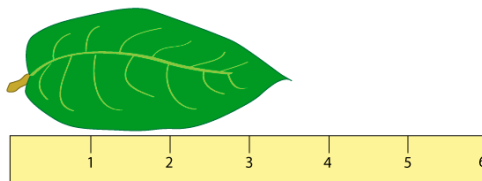
Name _____

Enter all answers in the boxes to the right.

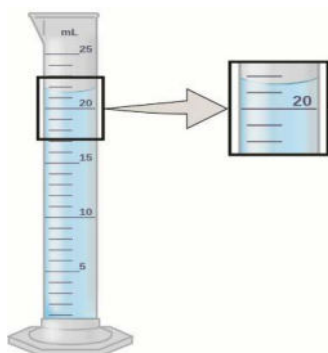
1. Record the length of the red rectangle to the appropriate number of significant figures.



2. Record the length of the leaf to the appropriate number of significant figures. (measured in cm)



3. The amount of water in the graduated cylinder is _____ mL.



Identify the number of significant figures in each measurement:

4. 100.0
5. 0.003
6. 6,02.53

Round each measurement to 2 significant figures.

7. 4760
8. 129

Perform the following operations using the rules for calculating significant figures.

9. $231.8 \text{ g} + 12.567 \text{ g} + 11 \text{ g} =$
10. $6.72 \text{ m}^2 \div 3.9 \text{ m} =$

Answers	
1.	2.33 cm ± 0.1
2.	3.6 cm ± 0.1
3.	21.5 ml ± 0.1
4.	4
5.	1
6.	5
7.	4800
8.	130
9.	255 g
10.	1.7 m