

Physical Science
Computing Absolute & Percent Error

Name: _____ Block: ____

1. A class full of Physical Science students each measured the length of a strange object uncovered in the excavation of the new WHS football field. Their measurements are listed below.

- a. Compute the average of all their measurements: _____
- b. Using the average as the Accepted Value, compute the absolute and percent error for each student's measurement and fill in the table.

	Measurement (cm)	Absolute Error	Percent Error
Alex	23.9		
Alexandra	23.6		
Amanda	25.2		
Andrea	24.9		
Babek	23.1		
Deanna	24.7		
Jess	24.6		
Jessica	24.4		
Jessie	24.6		
Joey	22.9		

2. Try as he might, John always measures things 3 centimeters too small.
 - a. If he measures something that is actually 13 centimeters in length, what is his...
absolute error: _____ percent error: _____
 - b. If he measures something that is actually 5.2 centimeters in length, what is his...
absolute error: _____ percent error: _____

Level 1:

3. Jill was told her percent error on a critical physical science measurement was 3.4%. If the accepted length was 12 meters, what was her reported measurement?