## **Data Sets Practice**

Find the average and uncertainty for the following data sets:

1. Five	e student	s time a	bowling	ball trave	elling fro	om point A	to point B.	They	record	the follo	wing tin	nes:
2.45s	2.49s	2.58s	2.55s	2.51s	Aver	age with u	incertainty _			_ +/	<u>S</u>	_
2. Seven students independently measure the length of a car. They record the following lengths:												
4.5 m	4.7 m	4.4 m	4.6 m	4.8 m	4.5 m	4.6 m	Average			+/-		<u>m</u>
3. Fou 18 mL	r student 20 m	ts indepe L 20 m	endently nL 19	measure mL	e the vol Ave	ume of a s rage with	small metal uncertainty	cube.	They r	record th +/	ne follow	ving volumes: nL
4. Two students as in case 3 above also independently measure the volume of a small metal cube. They record the following volumes:												
22 mL		22 mL			Ave	rage with	uncertainty			+/		_
5. Three students independently measure the mass of an egg. They record the following masses:												
47 mg		32 mg		37 mg	Ave	rage with	uncertainty			+/		_

6. Circle the data set that appears to be the most trustworthy.

7. Draw a square around the data set that appears to be the least trustworthy.

8. Write a single sentence that explains what it is about the circled data set that indicates it was measured more carefully than the squared data set?