



Hawk Mastery

Date: August 29th-September 2nd
 Name: _____
 Period: _____

7th Grade Science

Label the following tools and then match the correct use of the tool (listed below the tools).



1.
Name:
Use:



2.
Name:
Use:



3.
Name:
Use:



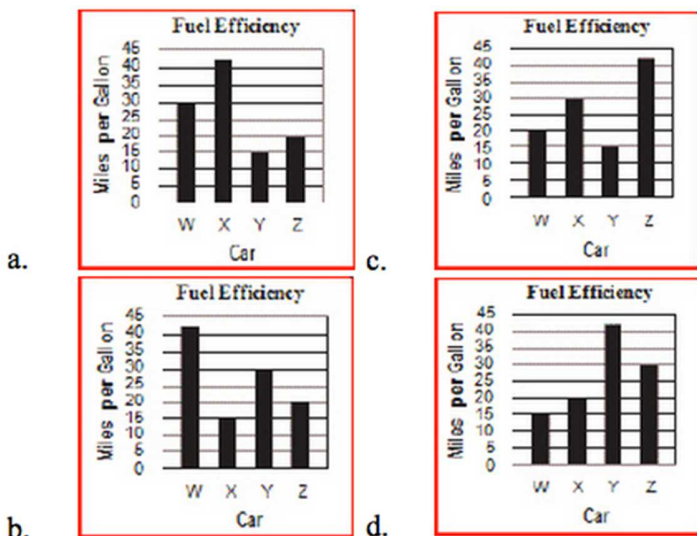
4.
Name:
Use:

- A to find the volume of a rock
- B to look at small details of a rock
- C to find the amount of force needed to slide a rock across a table
- D to find the mass of a rock

4. The fuel efficiency of four different cars is shown in the table below.

Fuel Efficiency Data	
Car	Fuel Efficiency (miles per gallon)
W	21
X	29
Y	16
Z	42

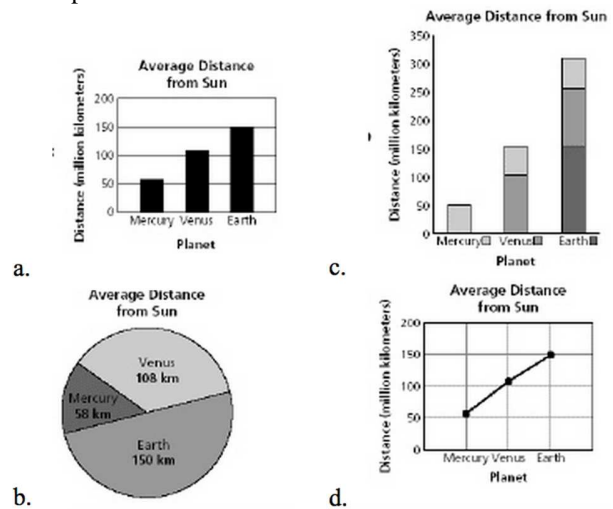
Which graph below best displays the information from the table?



5. The table shows the average distance from the sun to the planets Mercury, Venus, and Earth.

Average Distance from Sun	
Planet	Millions of Kilometers (km)
Mercury	58
Venus	108
Earth	150

Which graph best compares the distances from the sun for these three planets?





Name: _____
Period: _____

Hawk Mastery
7th Grade Science

7. A student recorded the speed of several blue cars versus several red cars over the course of 1 day. The average speed of red cars was 70 mph, while the average speed of blue cars was 68 mph. The student concludes that red paint makes cars go faster. Which statement identifies an error in the student's conclusion?

- A** The observation was made on several highways.
- B** The conclusion claims that there is a cause and effect without evidence.
- C** The conclusion was made based on two types of cars.
- D** The observation shows information for several times of day.

8. A student has two leftover identical slices of pizza. He places each slice on a plate, and then, one at a time, he heats each slice in his microwave oven. He sets the power on high each time. After one minute of heating in the oven, the first slice is very hot. However, the second slice is still cold after one minute of heating. Which of these conclusions best explains the difference in the temperatures of the two slices of pizza?

- A** The slices had the same starting temperatures, but each slice had a different kind of cheese on it making them heat up differently.
- B** The slices had different starting temperatures. The first slice was at room temperature, but the second slice was frozen.
- C** For the first slice of pizza the oven was on a high power setting, but for the second slice it was on a low power setting.
- D** The oven did not function properly with the second slice of pizza.

9. By modifying the genetic structure of certain corn plants, scientists have developed a type of corn that is able to survive and even thrive in hot and dry environments with very little water. Which practice is unnecessary with this new plant variety?

- | | |
|-------------------------------------|--|
| A removing weeds from crops | C using fertilizer on the plant |
| B massive irrigation methods | D eroding the land by tilling |