

Skills Worksheet

Directed Reading B

Section: Tools and Models in Science (pp. 42–49)

TOOLS IN SCIENCE

d.

1. What is a *tool*?
 - a. anything with a handle
 - b. anything that gives off energy
 - c. anything that requires electricity
 - d. anything that helps you do a task

a.

2. Which of the following is NOT something that tools are used for?
 - a. to evaluate the importance of science
 - b. to collect data
 - c. to evaluate and analyze data
 - d. to take accurate measurements

3. List four examples of tools used for taking measurements.

meter stick - length
thermometer - temperature
stop watch - time intervals
spring scale - weight

4. List three examples of tools that help you analyze or communicate data.

calculators - spreadsheets
graphs
photographs

MAKING MEASUREMENTS

5. List two examples of units of measure used many years ago.

_____ cubits - the length from the elbow to the fingertips.
_____ three grains of barley (inches)

6. A simple and reliable measurements system called the

_____ International System (SI) _____ is also know as the metric system.

7. Why is changing from one unit to another easy when using the SI system of measurement?

_____ The SI units are based on the number 10,
_____ It is easy to multiply or divide by 10.