

Measurement



Name: _____ #: _____

Subject: _____ Section: _____

Date: _____ HR: _____

Measurement - A Common Language: Length

Discover: Page 44

How Many Shoes?

Inferring Why do you think it is important that people use a standard unit of measurement?

A Standard Measurement System

The Metric System

When and why was the metric system invented?

Who invented the metric system?

metric system: _____

The International System of Units (SI)

Scientists all over the world use the International System of Units to measure

_____, _____, _____, _____,
_____, and _____.

Figure 1: Calculating

How much larger is a kilo- than a deka-?

✓ Reading Checkpoint (page 45)

SI units are based on multiples of what number?

Key Concept

Why do scientists use a standard measurement system?

Length

What is length?

Units of Length

The basic unit of length in the SI system is the _____.

How tall are you in this SI system. _____.

The two units that measure the length of smaller objects are,
_____ & _____.

Complete the table below.

<u>Prefix</u>	<u>Meaning</u>	<u>Unit of Length</u>
milli		
	one-hundredth	
		meter
	one thousand	

Measuring Length

The longer lines on the metric ruler are called _____.

The shorter lines on the metric ruler are called _____.

✓ Reading Checkpoint (page 48)

One centimeter is divided into how many millimeters?

Figure 2: Calculating

Measure the turtle in figure 2 from the rear of its shell to the tip of its nose. Record its length in both centimeters and millimeters.

centimeters: _____ millimeters: _____