

# Exploring Measuring

We measure things to find

- how much a thing weighs as compared to other things
- how long or wide a thing is as compared to other things
- how much space a thing takes as compared to other things
- how much liquid a thing holds as compared to other things.
- ... and much much more.

For all measuring, you need a measuring unit. You repeat the measuring unit many times, and compare to the thing you are measuring.

1. Measure how wide a table is, using a small shoe and then a big shoe as a measuring unit.

It is enough to have the left and the right shoe. Place the left shoe at the edge of the table, and the right shoe right after the left. Then move the left shoe in front of the right, and so on. Keep count.

The table is \_\_\_\_ small shoes wide.

The table is \_\_\_\_ big shoes wide.



2. Fill a small pot or bucket with water. Measure the amount of water using a coffee cup, or a pint jar.

The pot holds \_\_\_\_ coffee cups of water.

The pot holds \_\_\_\_ pint jars of water.



3. Billy measured how wide his book was. First he used paperclips, and then small crayons. His book was 10 paperclips wide. How many small crayons wide was the book?



Look carefully at Billy's paperclips and crayons.

4. Why don't people use Daddy size shoes or paperclips as measuring units?
5. Ryan measured that his room was 27 Daddy-size shoes wide. He also measured it using baby shoes. Ryan's room was 80 / 10 baby shoes wide (circle the right number).