

# MEASUREMENT

What can you measure at home? Anything with a length!

Find objects around your house or apartment! Maybe in your kitchen, bedroom, or family room. You can measure books, tabletops, forks, picture frames, toys or anything you can find!

If you have a ruler or measuring tape, those are both great tools for measuring length. Your unit will be inches (in.), feet (ft.) or centimeters (cm).

If you don't have one, you can make a tool! All you need is a piece of paper. The next page is a printable meter tape: if you can print it, cut each section and tape them in a line—then you will have 100 centimeters (cm), or 1 meter (m)!

Or, you can get creative! Find something else in your house you could line up as units of measurement. For example, paper clips! How many paper clips long is your table? Or shoes! How many shoes long is the rug?

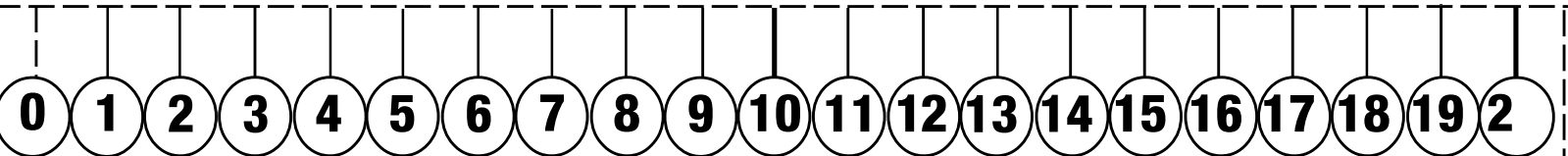
Once you have a measuring tool, here are your directions:

1. Choose an object to measure.
2. Estimate how many units long it will be (units are what you are using to measure—inches, centimeters, feet) and record your estimate
3. Measure the length of the object, using your tool
4. Record the actual measurement
5. Find out how close you were when you estimated! Use subtraction to find the difference between your estimate and the actual measurement.
6. If you want extra practice, use the third page to compare some measurements.
7. The last page is a real life example of a time an accurate measurement is needed. Read closely and write or tell someone what you think!

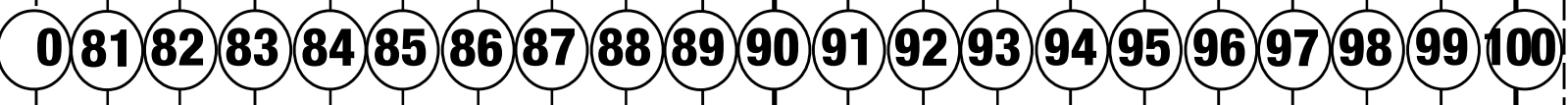
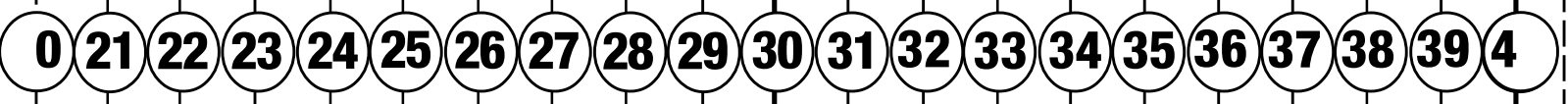
Name \_\_\_\_\_

Date \_\_\_\_\_

# PAPER METER TAPE



**THIS METER TAPE BELONGS TO:**



Name \_\_\_\_\_

Date \_\_\_\_\_

## HOW LONG IS IT?

.....

| OBJECT | ESTIMATED LENGTH | MEASURED LENGTH | DIFFERENCE |
|--------|------------------|-----------------|------------|
|        |                  |                 |            |
|        |                  |                 |            |
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|        |                  |                 |            |

Name \_\_\_\_\_

Date \_\_\_\_\_

# MAKING COMPARISONS

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USE YOUR METER TAPE TO FIND OUT WHICH IS LONGER.

|  | ESTIMATE | MEASUREMENT |
|--|----------|-------------|
| <b>1. Your height...</b>   |          |             |
| <b>or your arm span?</b>   |          |             |
| <b>2. From the inside of your wrist to the inside of your elbow...</b>             |          |             |
| <b>or the length of your foot?</b>   |          |             |
| <b>3. The circumference of your neck...</b>  |          |             |
| <b>or the circumference of your upper arm?</b>                                     |          |             |
| <b>4. The length of your nose...</b>   |          |             |
| <b>or the length of your ear?</b>  |          |             |
| <b>5. The distance from your knee to the floor...</b>                              |          |             |
| <b>or the distance from your hip to your knee?</b>                                 |          |             |
| <b>6. The distance from the top of your forehead to the bottom of your chin...</b> |          |             |
| <b>or the distance around your ankle?</b>  |          |             |
| <b>7.</b>  |          |             |
|  |          |             |
| <b>8.</b>  |          |             |
|  |          |             |
|  |          |             |

Name \_\_\_\_\_

Date \_\_\_\_\_

# RESPONSE SHEET—LINEAR MEASUREMENT

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A student was out shopping, looking for a desk the family could use at home for homework, paying bills, and so forth. She was at a garage sale and thought she had found the perfect desk, but she wasn't sure it would fit in the space they had planned to put it in. She didn't have anything to measure with, but she remembered that sometimes people measured horses in hands. So she used her hands placed side by side to measure the desk. She called home and told her mother that the desk she had found was 12 hands wide. Her mother used her own hands to measure the space, then told her daughter that the space was only 10 hands wide. They decided not to buy the desk because they thought it would be too big for the space.

Do you think they made a good decision? Why or why not? What advice would you give them?

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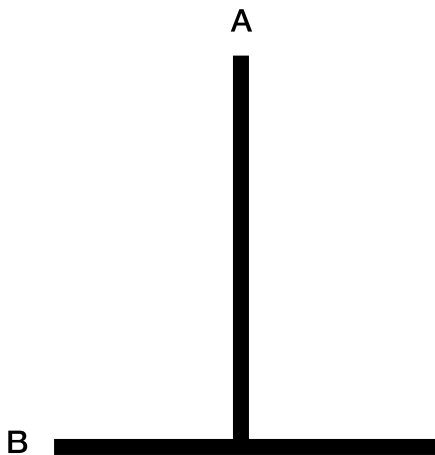
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**Just for fun!**

Do you think line A and line B are the same length? How can you know for sure?

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