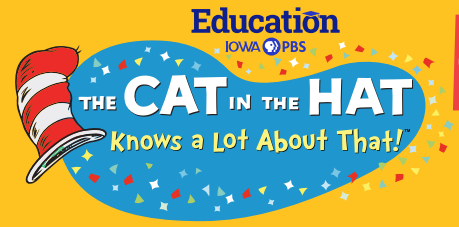# Measuring This and That

Make and test The Cat in the Hat measuring tools.

**Which cereal box is taller? Are you taller than your friend?
Which tree trunk is wider? If you want to know for sure, you need to get evidence.
Make the Cat's hat and a Measuring Snail to measure and compare all sorts of things.**

Materials

- Cardstock or paper
- The Cat's Hat printable
- Measuring Snail printable

Create Your Measuring Tools

1. Using cardstock, print the Cat's hat and Measuring Snail printables.

   Tip No cardstock? No problem! Just glue the Cat's hat and the Measuring Snail to an old greeting card, flattened cereal box, or piece of cardboard for stability.

2. Cut out the Cat's hat and build the Measuring Snail as directed.

3. Use the stripes on the Cat's hat and the segments on your Measuring Snail's measuring line to measure the length of various household items.
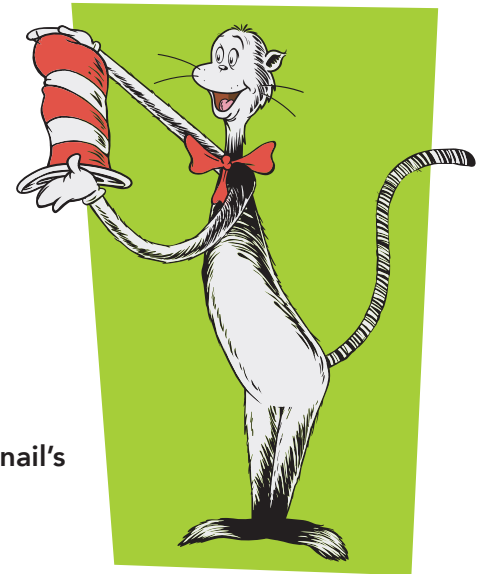
Measure, Share, Compare!

1. Measure the length of the Cat's hat using the Measuring Snail. How long is it?
   Now measure the Measuring Snail with the Cat's hat. What do you notice?

2. Find 4 or 5 household items that are similar but different. (For example: different kinds of shoes, drinking glasses, toy cars, or chairs.) Predict which is the longest or shortest. Using the Cat's hat or the Measuring Snail, measure and compare the lengths. Did anything surprise you? Why?

3. What if you need to measure something round? What would be the best tool? Find a tree trunk, can of food, or something similar. Measure it using the Cat's hat and the Measuring Snail. What do you notice?

4. The Cat uses his hat to measure and improve the length of a stool leg when he visits Blueprintia. With the help of your measuring tools, design something that balances on three or four legs. Share your creation with a friend and use the Cat's hat or the Measuring Snail to show details about your design.

pbskids.org/catinthehat

Find related games in the FREE *The Cat in the Hat Builds That* app. Download it now!

The Cat's Hat

With an adult's help, cut out the Cat's hat along the outer solid black line.

Measuring Snail

Materials

- Scissors
- Markers or crayons
- Clear tape
- Hole punch
- Unsharpened pencil

Instructions

1. With an adult's help, cut out the two halves of the Measuring Snail's body and the measuring line.
2. Join the halves by overlapping the two tabs and taping them together.
3. Punch holes in each side of the Measuring Snail as marked.
4. Stick a pencil through the two holes.
5. Color the stripes on the measuring line. Use two colors and alternate them.
6. Tape one end of the measuring line—colors facing up—to the pencil, and roll up the measuring line by turning the pencil.
7. Pull the measuring line and put your Measuring Snail to work!

Tape
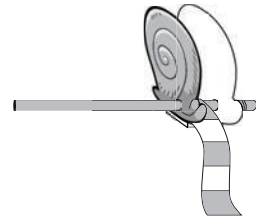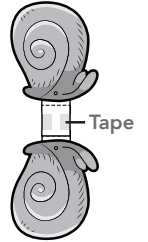
Test & Improve!

Explore the measuring ideas in the "Measuring This and That" activity. What could make your Measuring Snail better? Can you make it longer? What if you wanted it to pull easier and not bounce back? What other materials around your house could you use as a measuring line?

Measuring line

Tab

Fold line

Punch

Tab

Fold line

Punch