

Cyberchase

BUILDERS' MATH

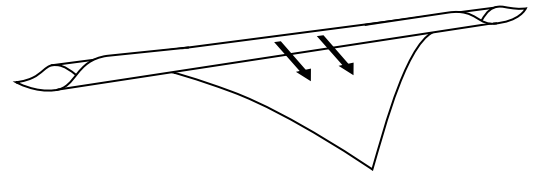
Make a Teepee

Your teepee needs at least five poles, plus something to cover them to make a shelter. To make a large teepee that you can sit inside, try this:

Materials

- at least 100 sheets of newspaper (makes 5 teepee poles)
- tape (one piece for each section)
- 2-3 rubber bands
- 200 thin, white paper plates (9-inch diameter)
- stapler
- colored markers

To Make the Poles:



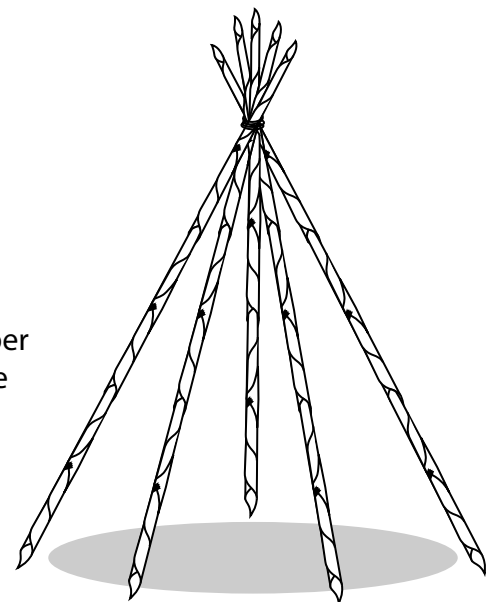
- 1** Roll 6 sheets of newspaper on the diagonal. (That means you have to start at the tip of one corner.) Roll the sheets to make a tight tube. When the tube is rolled, tape the corner in place.

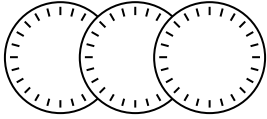


- 2** This is one section of a pole. Each pole needs three tubes, so repeat step 1 to make them. Then push the end of one tube into the next to make your first pole.

- 3** Make *at least* four more poles.

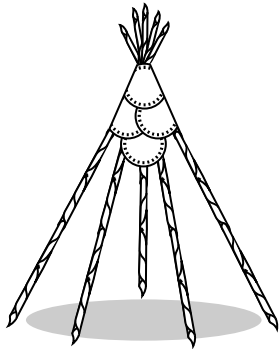
- 4** Stand them together and put the rubber band around the tops. Then spread the poles apart to make the teepee shape.





Make a Teepee

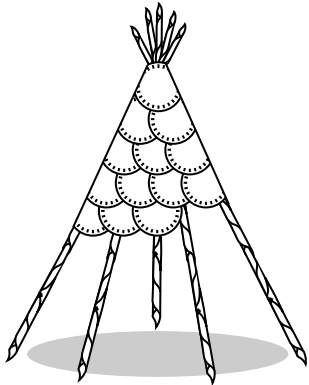
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1 Staple three or four paper plates together side-by-side. Wrap these around the top of the teepee and staple to make a ring.

2 For your second layer, slide a paper plate under the first layer and staple it. The first layer should overlap on top of it.

3 Keep going in this way around and around your teepee. Staple the next plate to the one beside it and to the one above it.



4 When you have covered half of the teepee, keep a space open between two poles. This will be your doorway. Keep making the overlapping pattern down to the bottom to finish your cover.

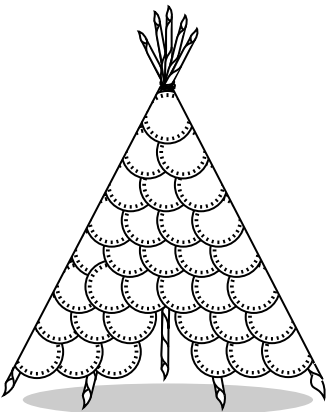
Make Connections to ...

Science

Scientists, including meteorologists (people who study the weather), and biologists (people who study living things), look for patterns in the natural world to find out more about how nature works and make predictions about how things will behave.

Engineering

Engineers use patterns found in the natural world to design and build structures, to strengthen manufactured materials, and to streamline designs for transportation.



Watch CYBERCHASE on PBS KIDS!

Check local listings or visit www.pbskids.org/cyberchase.