

HOME/SCHOOL CONNECTION A

Investigation 3: Getting to Know Paper

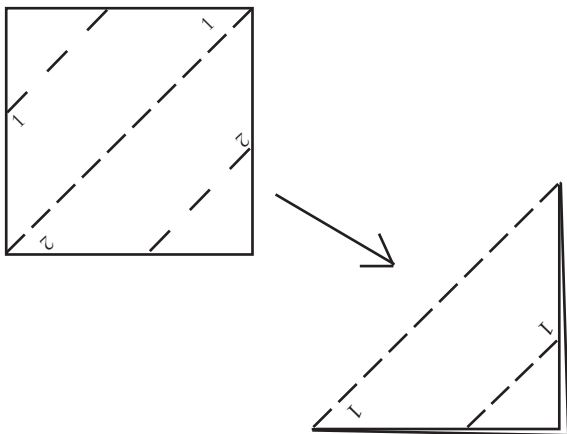
At school, we have begun to investigate the properties of paper. Recently, we compared how easily different kinds of paper can be folded. Not all are alike! Here is a paper-folding project you can do together. If you have more than one kind of paper available, it would be interesting to make a cup from both papers and compare the two.

Materials

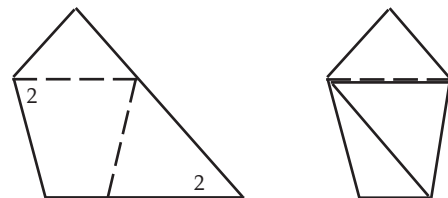
- Drinking-cup pattern (Home/School Connection B)
- Scissors

Construction

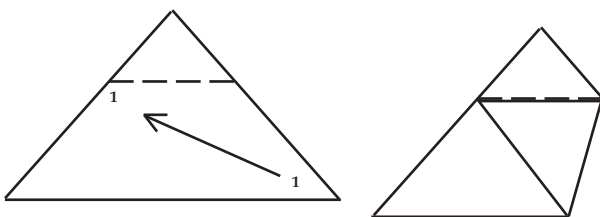
1. Cut the top off the pattern sheet.
2. Fold the sheet on the middle line that runs from corner to corner. The other lines should be on the outside, not folded in.



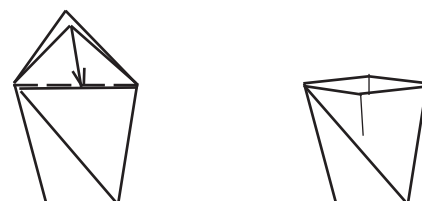
5. Flip the folded paper over and follow the same procedure, this time matching the 2s.



3. Lay the sheet on the table so the long side is closest to you, and the number 1s are showing.



6. Separate the two triangle flaps at the top of the cup. Tuck one into each of the pockets formed by the previous two folds. Open the cup, fill it with water, and drink up!



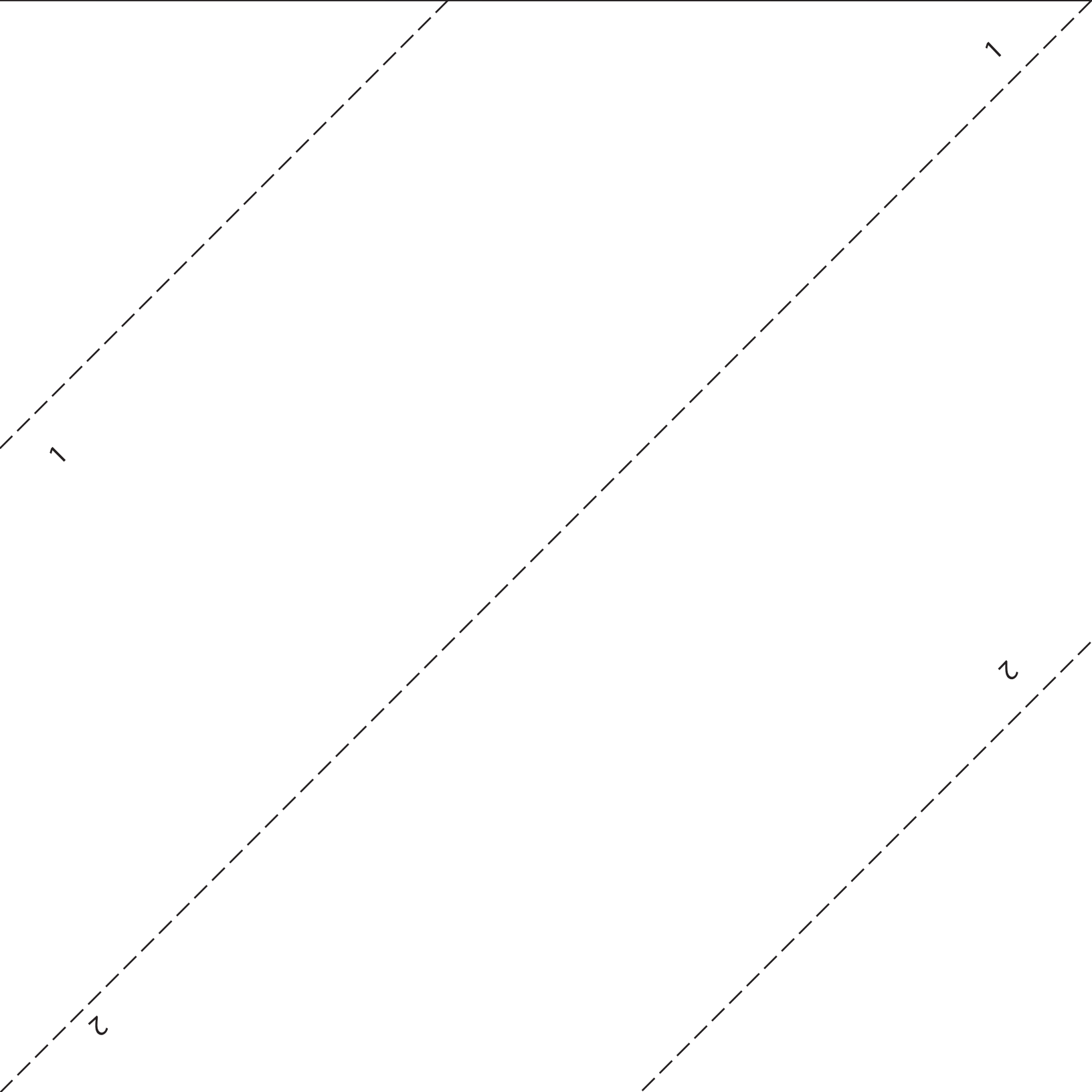
HOME/SCHOOL CONNECTION B

Investigation 3: Getting to Know Paper

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Investigation 3: Getting to Know Paper
No. 27—Teacher Master

Cut on this line.



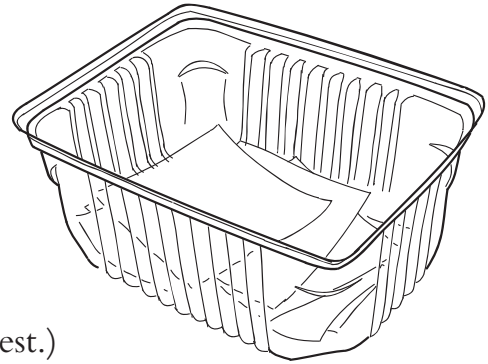
HOME/SCHOOL CONNECTION C

Investigation 3: Getting to Know Paper

Making a collage of different kinds of paper is a fun way to explore and compare the many properties different papers have. Your child will get the most from this activity if he or she has collected a wide variety of paper. Crepe paper, tissue paper, wallpaper, wrapping paper, and cardboard are all good choices. Little scraps are all that is needed, but take the time to gather an interesting collection.

Materials

- Variety of paper scraps
- Glue
- Scissors
- Stapler (optional)
- Paper to use as a base (Construction paper works best.)



Construction

1. Cut a paper square to be used as a base for the collage. Experiment a bit together with different ways of using the paper scraps you have collected. Try tearing the paper; not all paper tears the same. Try curling different kinds of paper. There are many ways to bend or fold paper; accordion-folded paper makes nice pop-out effects. Sprinkle water on paper to see the effect; crepe paper has an especially interesting reaction to water drops.
2. Once the exploration process has sparked ideas, let your child begin making a collage, and provide little guidance. Encourage him or her to cover the entire paper base. Here are some questions to guide discoveries.
 - *Are all the pieces of paper easy to cut or tear? Which are more difficult and why?*
 - *How many different kinds of paper are on your collage?*

Reminder

We will be making sculptures using paper and wood soon and could use any leftover scraps of interesting paper. We would appreciate any contributions for our collection. Thank you.