



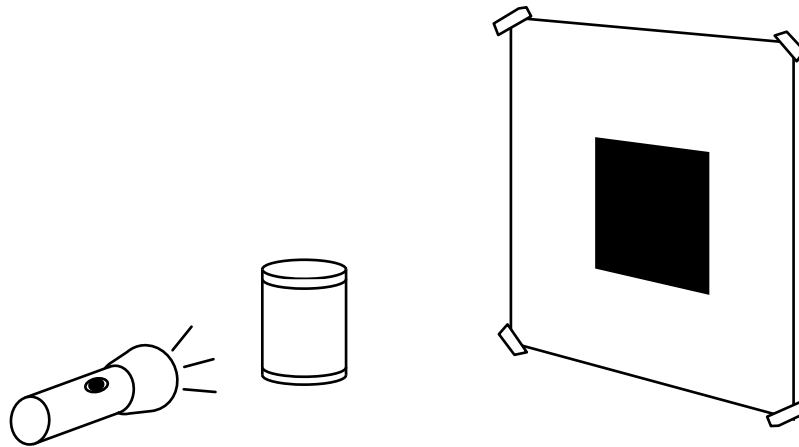
## Related Activities to Try at Home (page 1 of 2)

Dear Family,

The activities below are related to the mathematics in the geometry and measurement unit, *Moving Between Solids and Silhouettes*.

You can use the activities to enrich your child's mathematical learning experience.

**Seeing Silhouettes** You and your child can explore the relationship between 3-D objects and the 2-D silhouettes they can make. Set up a bright light (such as a reading lamp) in a darkened room, with a sheet of paper taped to the wall. Take turns drawing your predictions of what kinds of shadows different objects will cast. Use objects with simple geometric shapes, such as soup cans (cylinders), cereal boxes (rectangular prisms), and balls (spheres).



**Our Silhouettes** Similarly, you might make above-the-neck silhouettes of different family members by using the same setup (bright lamp, paper taped to the wall, darkened room). Afterward, your child might like to see whether she or he can match the different silhouettes to the people who posed for them.

(continued)



## Related Activities to Try at Home (page 2 of 2)

**Viewing Block Buildings** If your child has any interlocking blocks or wooden blocks, spend some time making simple buildings together. Look at the buildings you created and try drawing them from different perspectives. Visualizing is a skill like anything else—the more you practice, the better you get!

**Math and Literature** Here are some suggestions of children's books that contain relevant mathematical ideas about geometry and measurement. Look for these books at your local library.

Clement, Rod. *Counting on Frank*.

Pluckrose, Henry. *Know About: Capacity*.

Schwartz, David. *Millions to Measure*.

Mcaulay, David. *Pyramid*.

