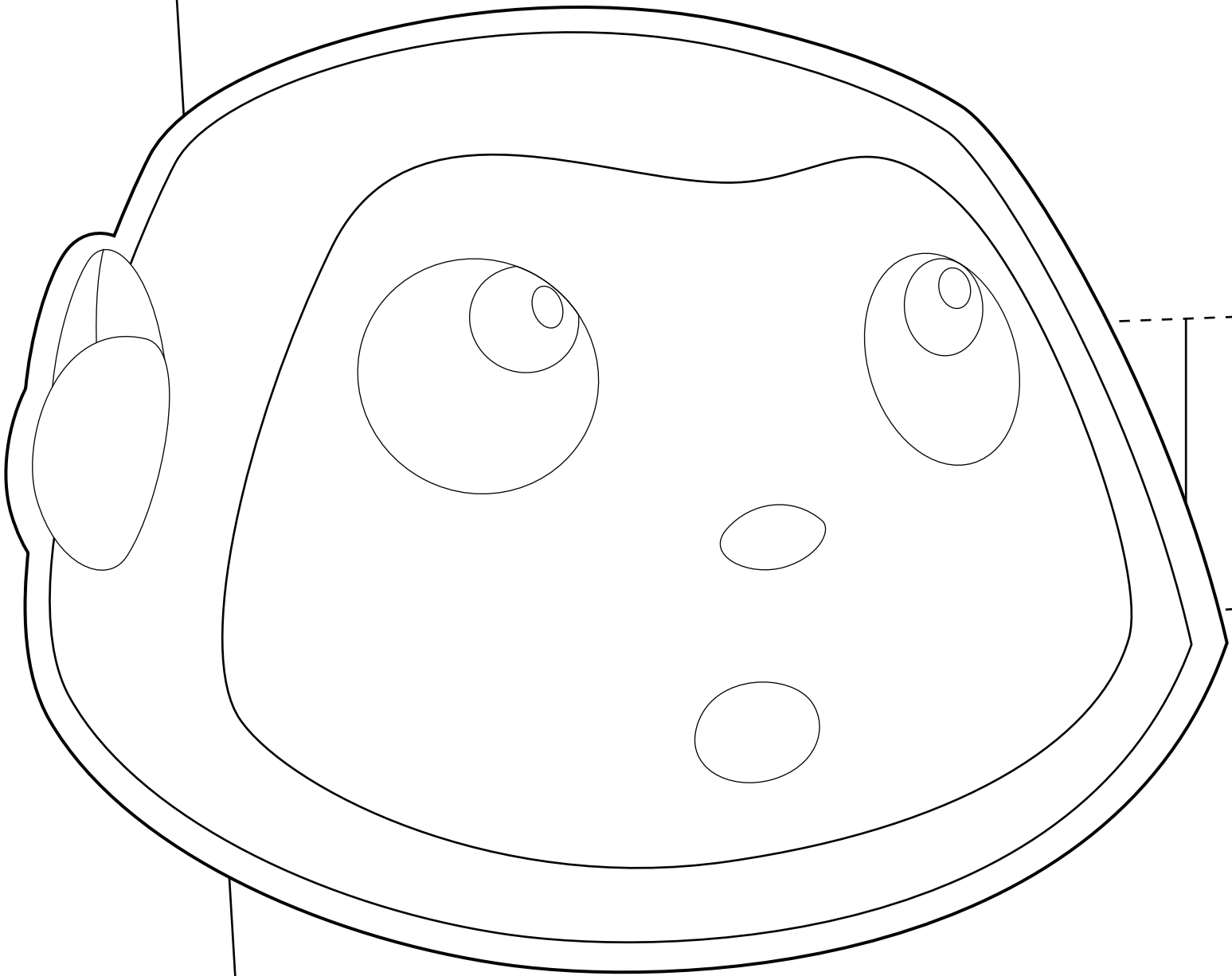
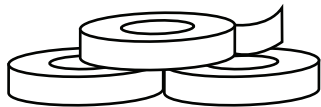


PAUL AND SILAS



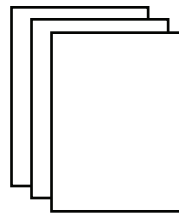
STEM ACTIVITY

WHAT YOU NEED



TAPE

Try to use clear tape.



CONSTRUCTION PAPER

Different weights may cause different results.

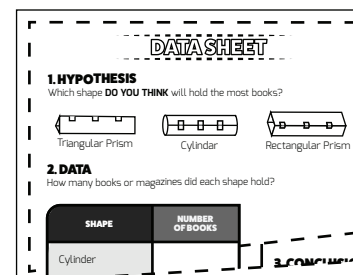


MAGAZINES OR SMALL BOOKS

Make sure they are relatively the same size.

DATA SHEET

Located on the last page of this STEM Activity.



DIRECTIONS

STEP 1

Print your **DATA SHEET**. Circle your answer to the first question.

STEP 2

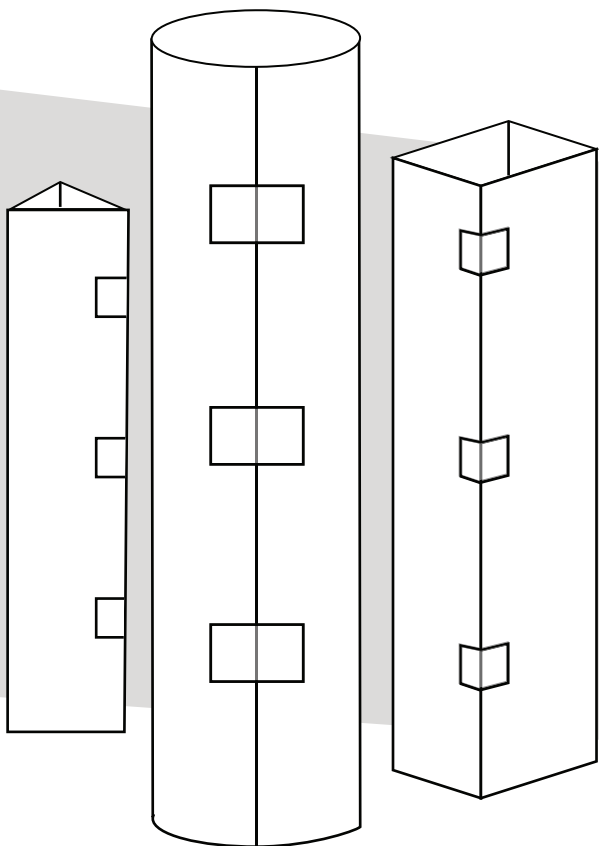
Create each of the shapes using construction paper. Then use tape to secure the edges. To make the cylinder, just roll the paper. Make sure that the top and bottom of each shape lies stable and flat against the surface.

STEP 3

Carefully balance a book on top of the first shape, then gently add books until the structure collapses. Use the table on the **DATA SHEET** to track how many books the shape held.

STEP 4

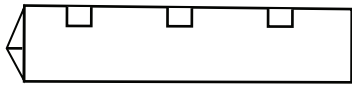
Repeat the **STEP 3** with each of the shapes, then answer the third question on the **DATA SHEET**.



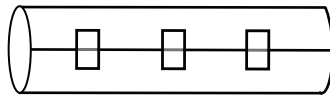
DATA SHEET

1. HYPOTHESIS

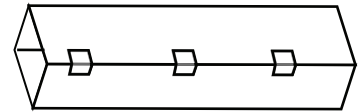
Which shape **DO YOU THINK** will hold the most books?



Triangular Prism



Cylinder



Rectangular Prism

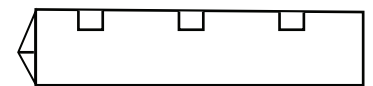
2. DATA

How many books or magazines did each shape hold?

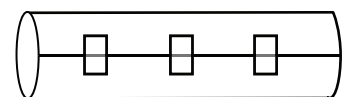
SHAPE	NUMBER OF BOOKS
Cylinder	
Rectangular Prism	
Triangular Prism	

3. CONCLUSION

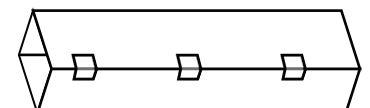
Which structure **ACTUALLY** held the most books?



Triangular Prism



Cylinder



Rectangular Prism

STRONGER THAN YOU THINK

Isn't it crazy how a simple sheet of paper can hold so many books; You can be strong too with Jesus!

"I can do all things through Christ who strengthens me."

Philippians 4:13