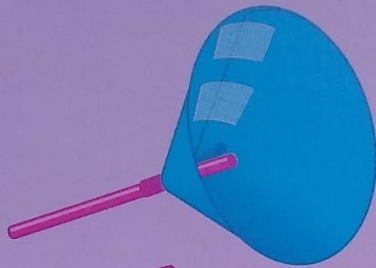
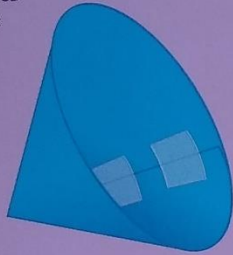


Floating ball game

YOU WILL NEED: thick paper, a bendy drinking straw, poster tack, foil

Tape the edges on the inside and outside of the cone.



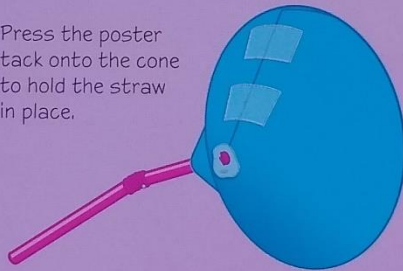
You don't need this piece.

You could decorate the cone with stickers from this book.

1. Draw around a mug on thick paper, then cut out the circle. Make a cut into the middle, then bend the sides around to make a cone. Tape the edges.

2. Cut a small piece off the point of the cone. Push the short end of a bendy straw into the hole. Then, cut a piece off the bottom of the straw.

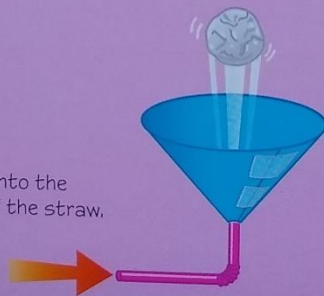
Press the poster tack onto the cone to hold the straw in place.



3. Press poster tack around the end of the straw. Then, slide the straw down until the poster tack is resting in the bottom of the cone, like this.

Try blowing through the straw at different speeds. What happens to the ball?

Blow into the end of the straw.



4. Scrunch a piece of foil into a ball that is about the size of a cherry. Put the ball in the cone. Bend the end of the straw and blow through it.

High pressure

When you blow through the straw, a jet of air whooshes up under the foil ball. This high pressure jet sends the ball up into the air. As the air flows up the sides of the cone, it spreads out and loses pressure. The foil ball bounces about as it hits the high and low air pressures above the cone.

You could have a competition with your friends to see how long you can keep the ball in the air.