

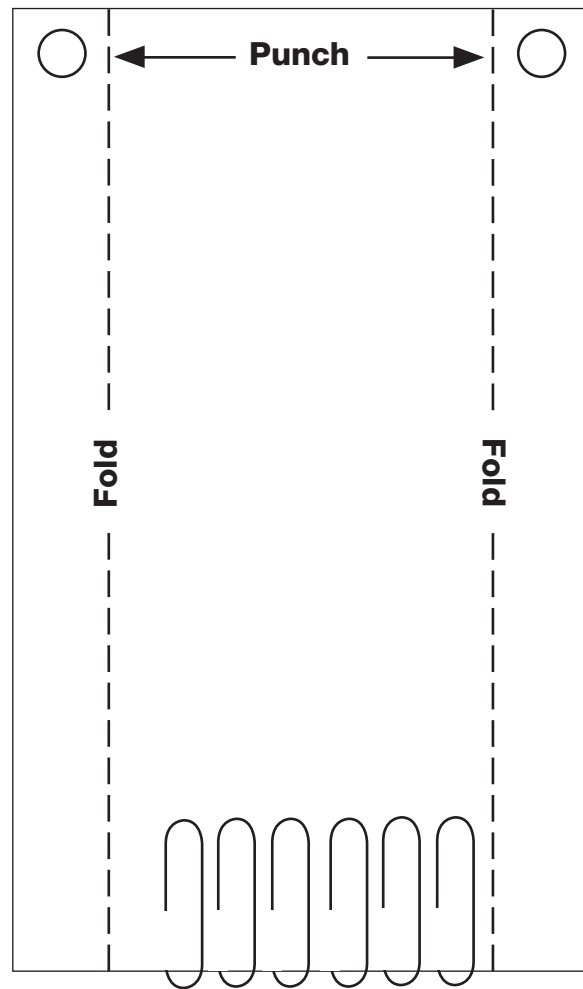
# MAKING AN ANEMOMETER

## Materials

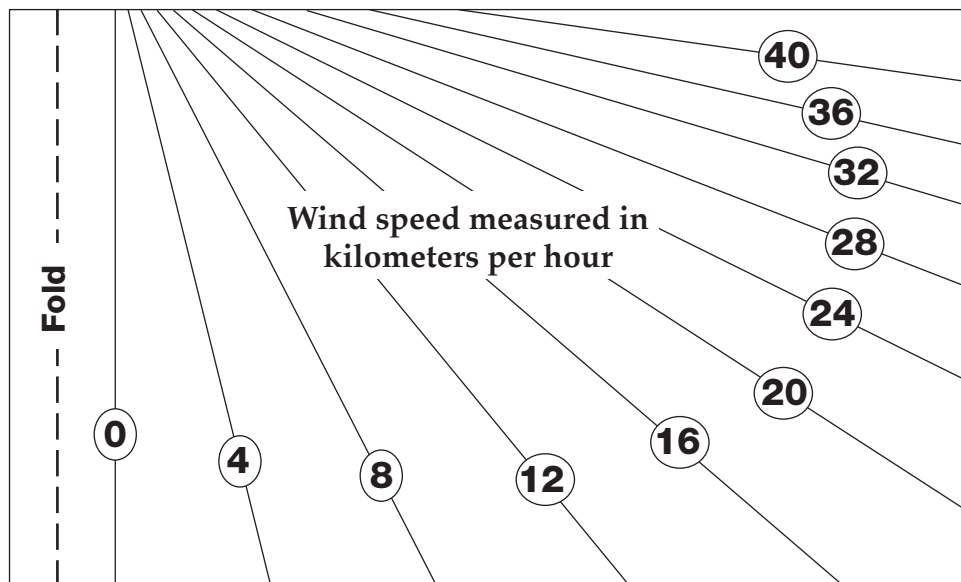
- 2 Index cards, 7.5 cm × 13 cm
- 2 Straws, super jumbo
- 1 Straw, jumbo
- 7 Paper clips, regular
- Transparent or masking tape
- 1 Hole punch
- 1 Scissors
- 1 Metric ruler
- 1 Pencil

## Preparation and assembly

1. Fold both edges of card 1 at a right angle. This will be easier if you draw lines 1.2 cm from the edges, pressing down hard with a pencil or ballpoint pen to crease the card.
2. Punch two holes near the top of each folded edge.
3. Lay card 2 on the template on this page. Mark the edge of the card where the ends of the lines extend beyond the card. Draw lines between the marks and write the numbers on the lines.
4. Fold the edge of the card at a right angle.



**Card 1**



**Card 2**

5. Punch a hole in two super jumbo straws about 2.5 cm from one end.



6. Cut a clear jumbo straw to a length of 12 cm. Slide the clear straw through the holes in the super jumbo straws. Tape the two super jumbo straws together top and bottom.
7. Slide card 2 between the two super jumbo straws. Push it up as far as it will go toward the jumbo straw. Tape the folded-over edge to hold card 2 in place.
8. Slide card 1 onto the jumbo straw. Attach six paper clips to the bottom of card 1, and one on the end of the jumbo straw to keep card 1 from sliding off the straw.
9. Hold the anemometer in the wind so that the wind hits the broad side of card 1. Read the wind speed in kilometers per hour from card 2.

