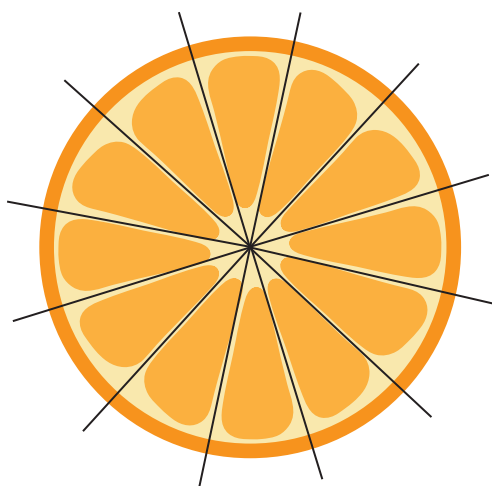**You will need:**

- An orange
- A knife to cut your orange in half
- Cutting board to protect the desk
- A protractor

What to do:

1. Use the knife to cut your orange in half parallel to the top and bottom.

2. Look at the cross section of the cut.
   How many segments does your orange have?

3. What is the angle of each segment?
   Measure each segment angle using the protractor. Record the measurements.
   Are all angles the same?

4. Oranges usually have 10 segments. If all segments are the same, what is the average angle of a segment?

Challenge:

Different citrus fruits have different numbers of segments.

Investigate the angles in segments of lemons, mandarins and grapefruit.

nzmaths.