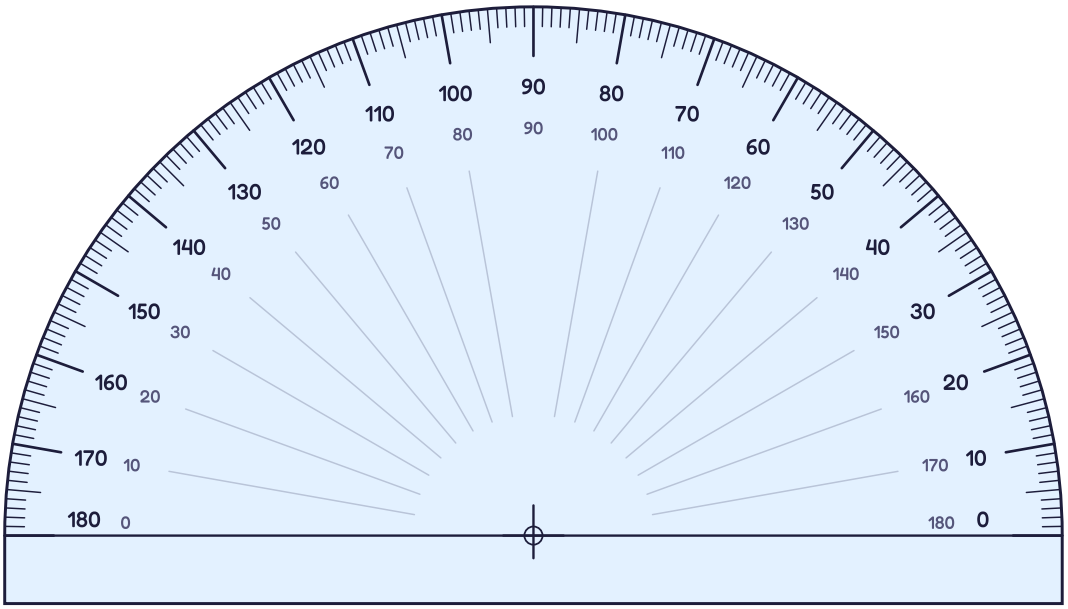
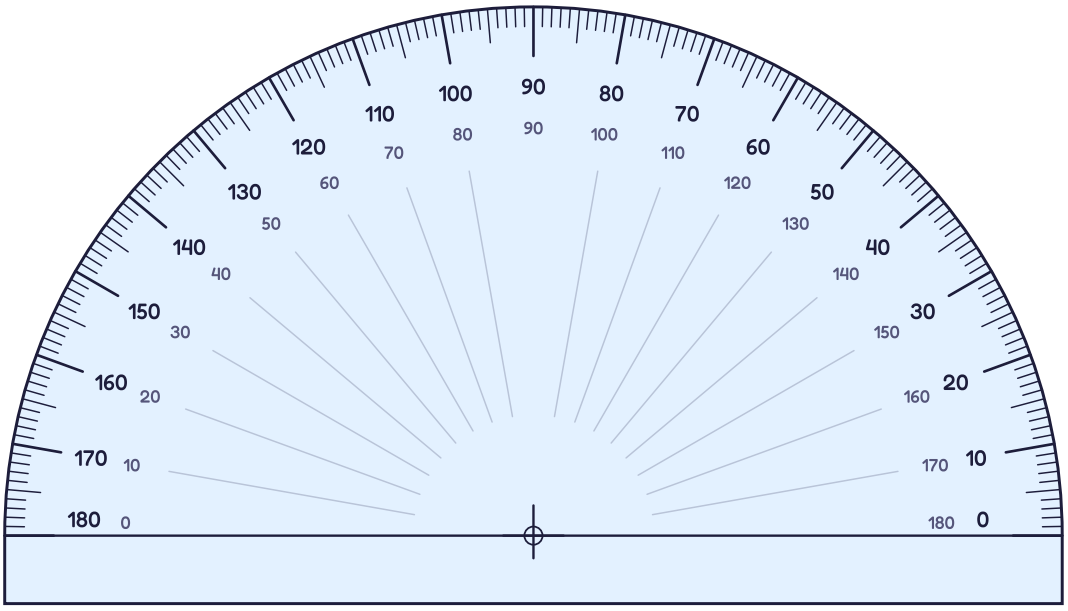
# Printable protractor: 180 degrees

Two half-circle protractors, 14 cm across, marked every degree with both scales. Cut out on the outline.




Put the centre mark on the corner of the angle and the base line on one arm. Read the scale that starts at 0 on that arm.

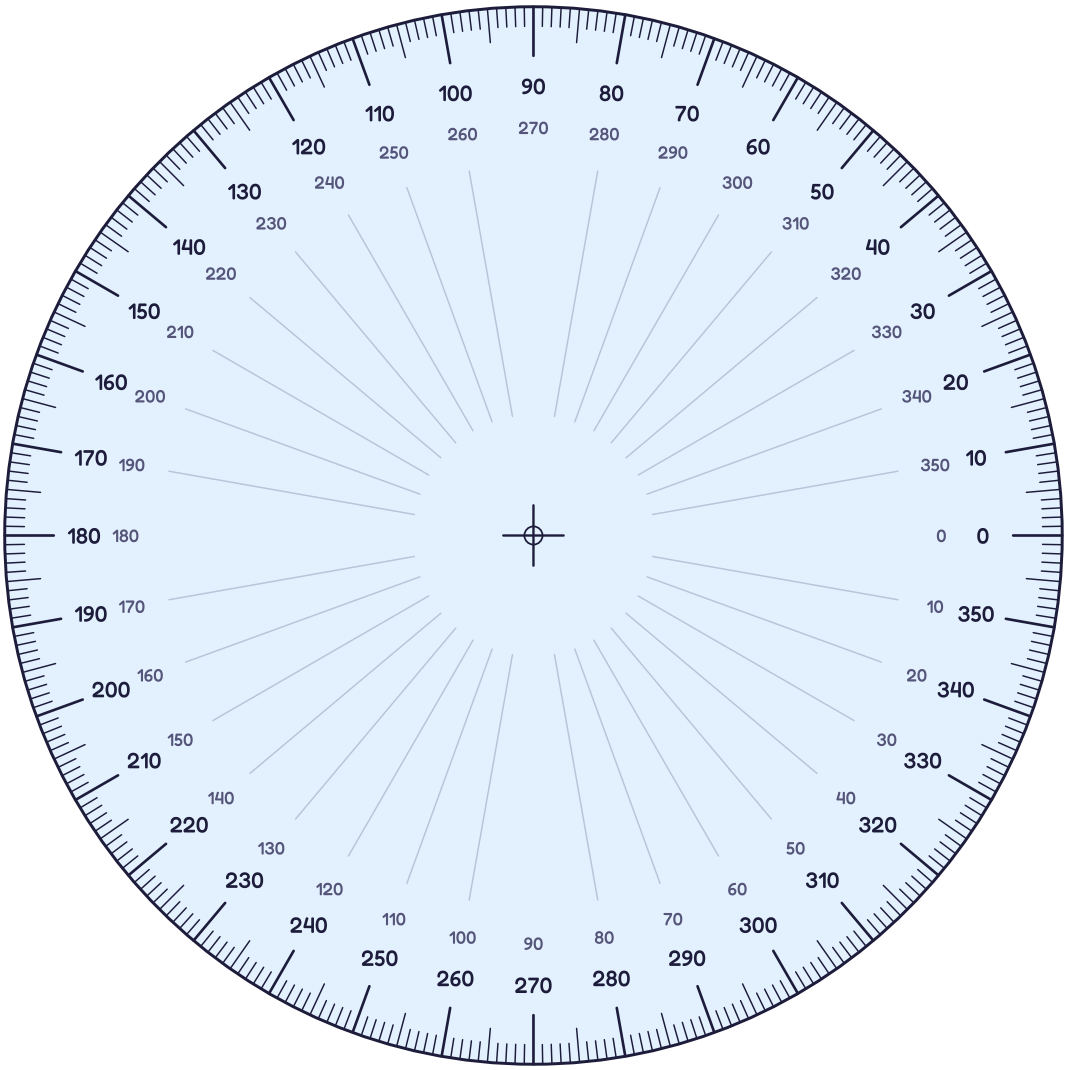
**2 cm**

**1 in**

Check after printing: these squares should be exactly 2 cm and 1 inch on each side.
Print at 100% or “Actual size”. Turn off “Fit to page”, “Shrink to fit” and “Fit to printable area”.
If a square is out, so is every ruler on this page: change the setting and print again.

# Printable protractor: 360 degrees

A full-circle protractor, 14 cm across, marked every degree. Inner numbers count the other way round.




For reflex angles (more than 180 degrees): put the centre on the corner and 0 on one arm, then read round to the other arm.

**2 cm**

**1 in**

Check after printing: these squares should be exactly 2 cm and 1 inch on each side.
Print at 100% or “Actual size”. Turn off “Fit to page”, “Shrink to fit” and “Fit to printable area”.
If a square is out, so is every ruler on this page: change the setting and print again.