

HOW TO USE A PROTRACTOR

How to use a Protractor

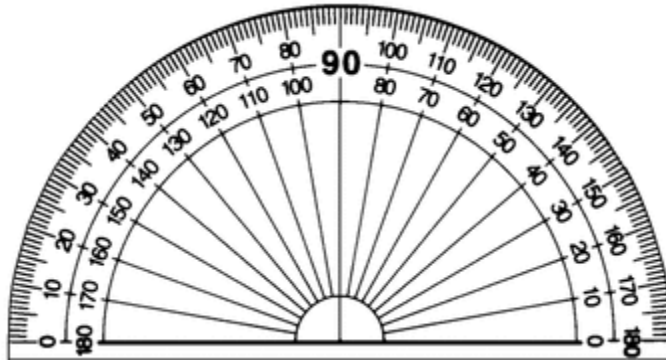
A protractor is used to measure or draw angles accurately.

There are 3 types of angles, all can be measured or drawn using a protractor.

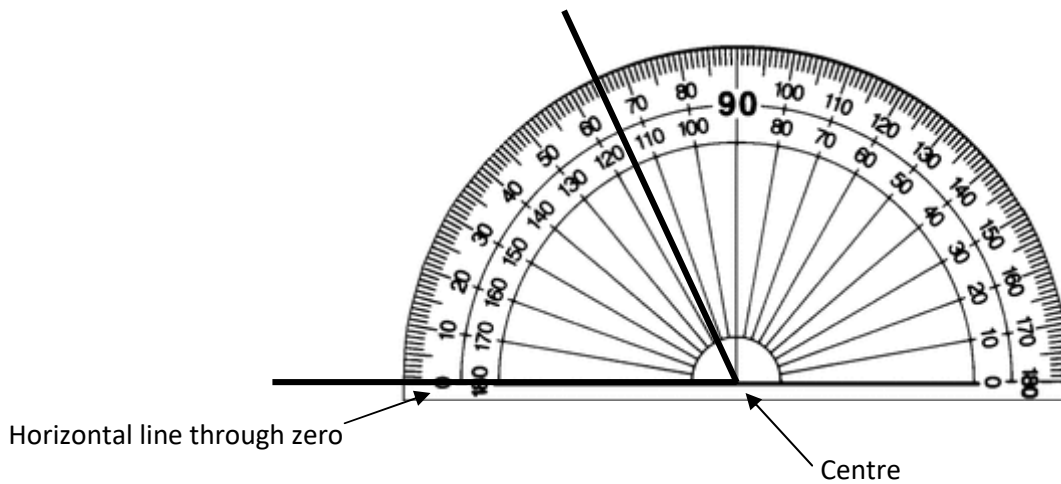
How to measure an angle

Reading the outside scale, is reading the protractor clockwise.

Reading the inside scale, is reading the protractor anticlockwise.



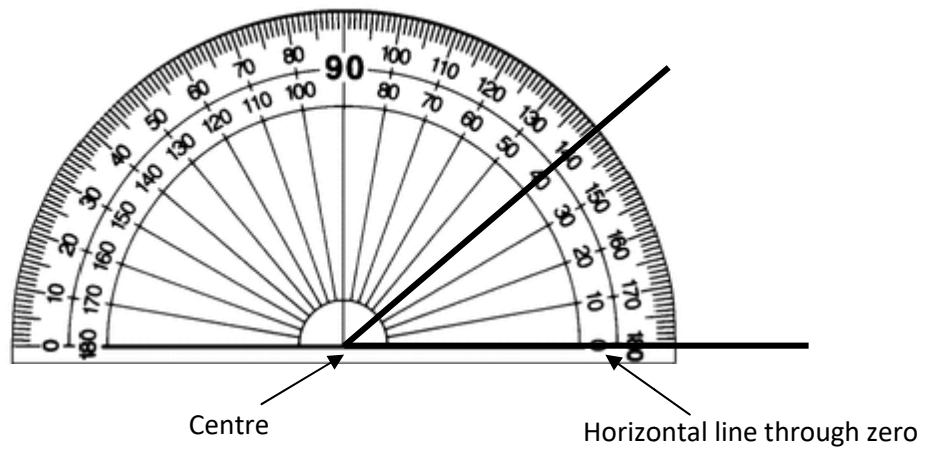
Measuring an angle using the outside scale



1. Place the centre point over the angle at the vertex (point).
2. Read the outside scale as the horizontal line goes through the zero on the outside scale.
3. Follow the scale round till you see where second line is. In this case 65°

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Measuring an angle using the inside scale

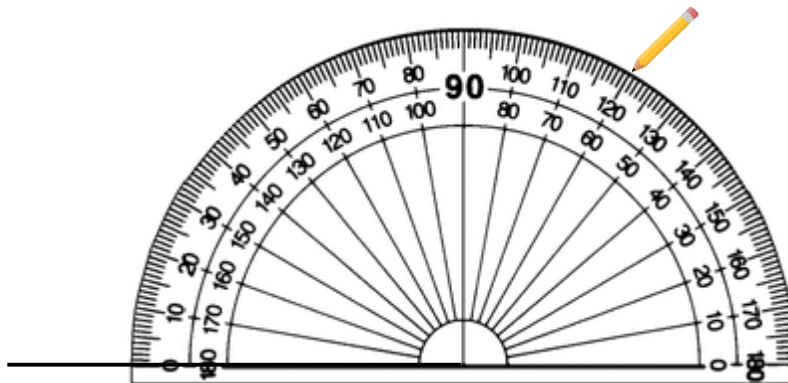


1. Place the centre point over the angle at the vertex (point).
2. Read the outside scale as the horizontal line goes through the zero on the outside scale.
3. Follow the scale round till you see where second line is. In this case 40°

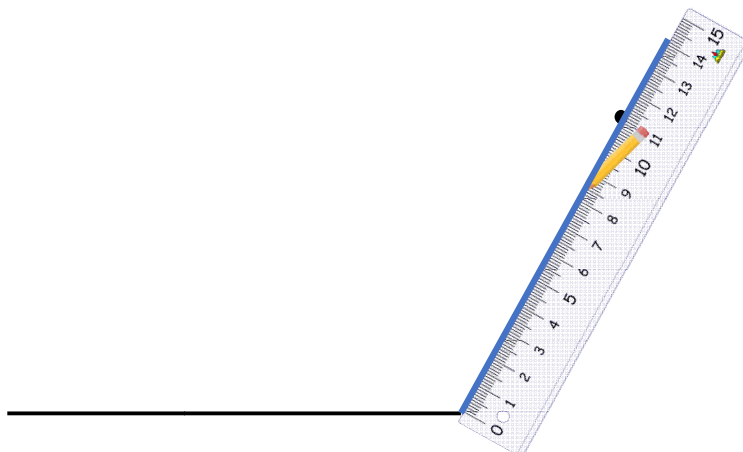
How to draw an angle using a protractor using the outside scale

Draw an angle of 120°

1. Draw a horizontal line
2. Place the centre of the protractor over the right end of the line



3. Mark the angle
4. Use a ruler and draw a line from the right end of the line through the mark

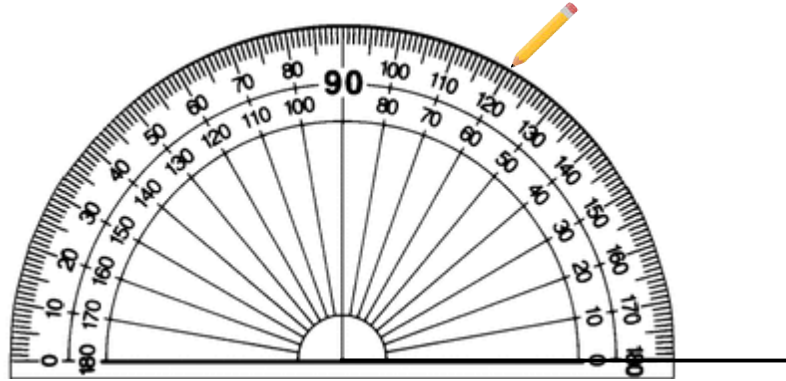


HOW TO USE A PROTRACTOR

How to draw an angle using a protractor using the inside scale

Draw an angle of 60°

1. Draw a horizontal line
2. Place the centre of the protractor over the left end of the line



3. Mark the angle
4. Use a ruler and draw a line from the right end of the line through the mark

