

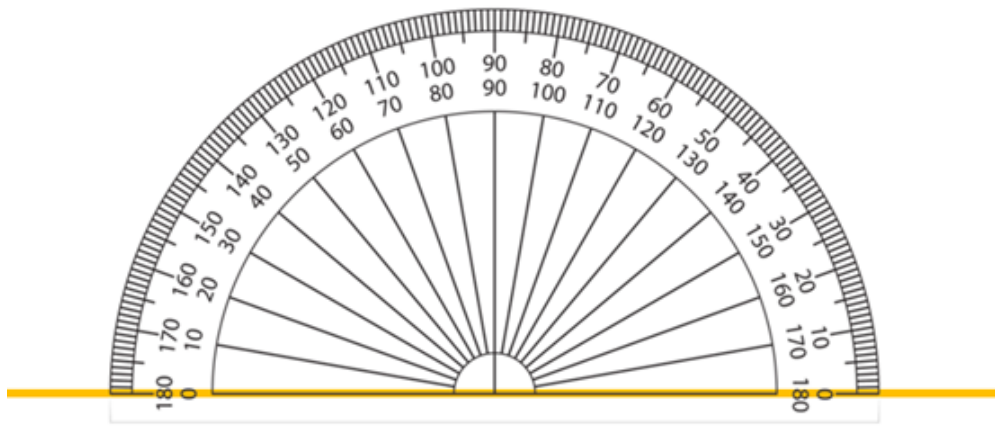
L.O: I am learning to calculate angles around a point

Today you will build on your knowledge of angles and know that there are 360 degrees in a full turn. You will learn to link angles with compass points. You will learn that angles on a straight line add up to 180 degrees and apply this knowledge to calculate missing angles.

Answer the questions on the separate worksheet that comes with this assignment. Turn the completed work in so that the teacher can mark and comment on your work.

Let's think about what we already know...

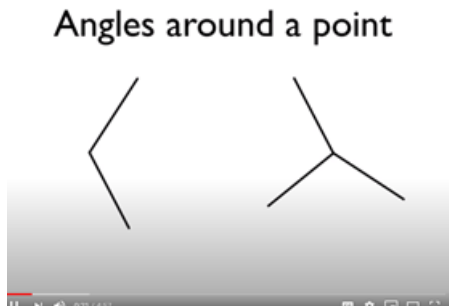
We measure angles using a protractor.



Angles on a straight line add up to 180° .

- What do angles AROUND A POINT add up to?

Watch the video below which explains more about angles around a point:

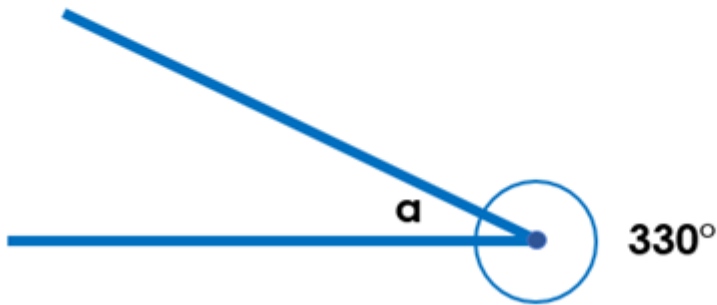


<https://www.youtube.com/watch?v=Yt2yvO-xkhY>

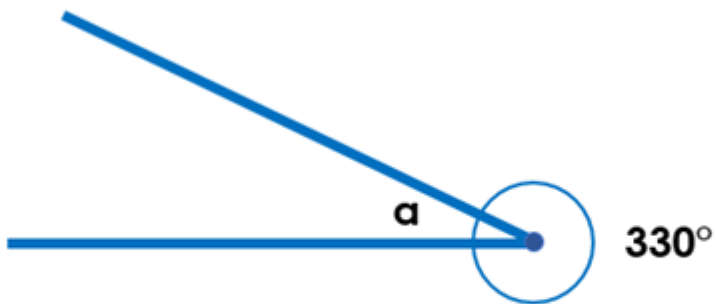
Let's Practise:

Now we know that angles around a point add up to 360 degrees, let's look at how we can apply that knowledge to calculate missing angles around a point.

What is the measurement of angle a?



What is the measurement of angle a?



Angles around a point = **360°**

$$360 - 330 = 30$$

$$\text{Angle } a = 30^\circ$$

Now go to the worksheet for today's tasks. Choose your challenge(s) and answer your question in the box provided on the worksheet.