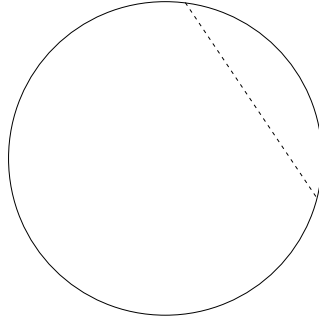


CIRCLE CENTRES

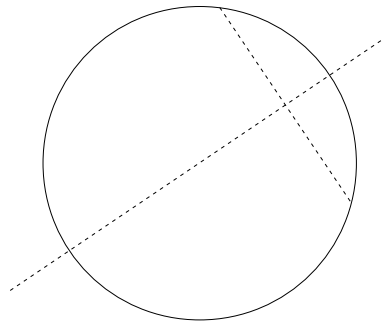
How could you accurately find the centre of a circle if it isn't already marked?

One way is to use the technique below. Practise it on the Circles Worksheet provided.

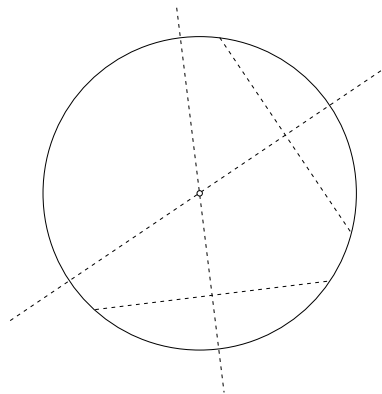
1. Rule a line from one part of the circumference to another, but choose the parts of the circle you join so that the length of the line is an even number of centimetres (or millimetres). This line is called a 'chord'.



2. Use one of Geo-Pro's rulers to measure and mark the middle of the chord. Now use the grid lines on Geo-Pro to rule a perpendicular line that cuts the chord in half. This line is called a 'perpendicular bisector'.



3. Repeat steps 1 and 2 for another part of the circumference. The centre of the circle is where the perpendicular bisectors meet. Check by measuring from this point to various points on the circumference.



Circle Centres Worksheet

