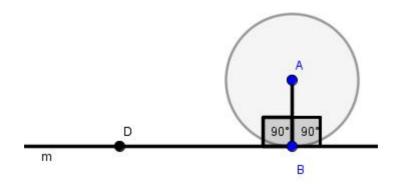


Student Activity Construction 19

Use in connection with the interactive file "Constr 19" on the Student's CD.

Construction 19: To construct a tangent to a given circle at a given point on it.



1.	What is meant by the radius of a circle?
2.	How many times does a tangent to a circle cut the circle?
3.	Using the interactive file, describe the protocol of how to draw a tangent to a given circle at a given point on it.
4.	What is the measure of the angle formed by the tangent and the radius?
5.	What happens when you move the point B in the interactive file around the circle?
6.	What happens when you move the centre of the circle Ain the interactive file?



Does the location of point B on the circle affect the tangent of the circle? Explain.
How many tangents can be drawn to a given circle at a given point on it? Explain.