Exercise 19.4

Q.1 Construct the following angles with the help of a protractor.

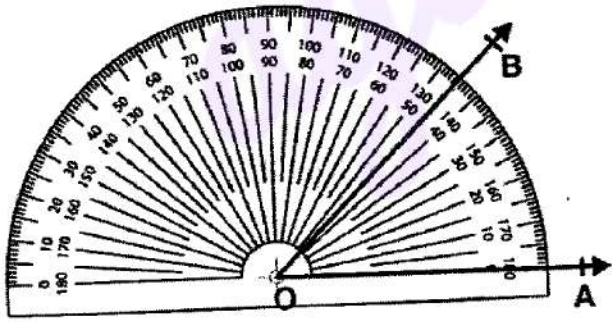
$45^\circ, 67^\circ, 38^\circ, 110^\circ, 179^\circ, 98^\circ, 84^\circ$

Solution: Construct a ray OA.

Now place the protractor on the ray OA such that its centre coincides with point O and the diameter coincides with OA.

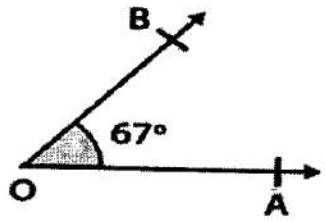
Mark a point B against the mark of 45° on the protractor.

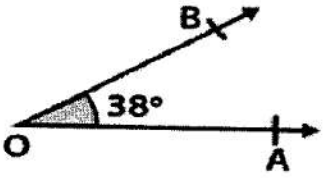
Remove the protractor and construct the line OB where $\angle AOB$ is the required angle.

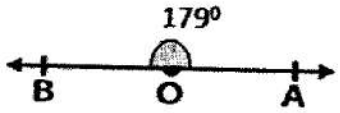


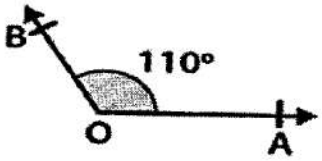
In the same way draw the angles 67°, 38°, 110°, 179°, 98° and 84°.

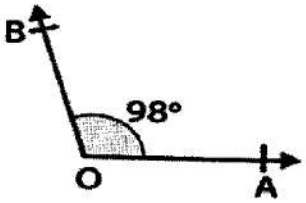
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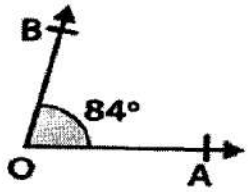






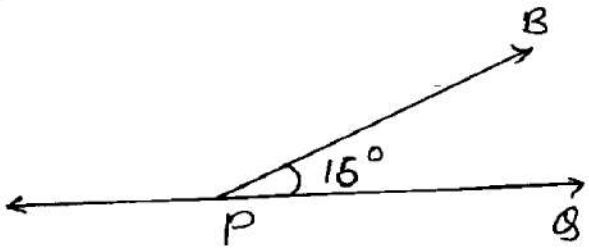




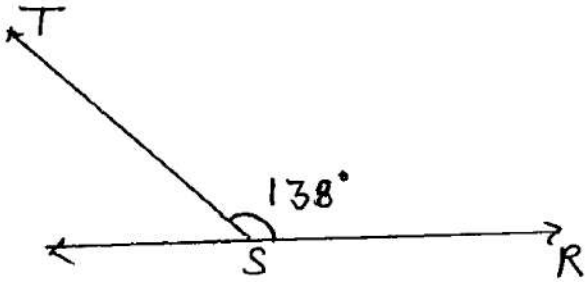


Q.2 Draw two rays PQ and RS as shown in fig 19.14 (i) and (ii). Using protractor, construct angles of 15° and 138° with one arm PQ and RS respectively

(i) 15°



(ii) 138°



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