

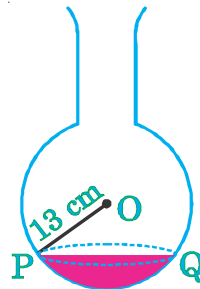
01

In the given figure, the cross section of a pipe is shown. The water level in the pipe fell from PQ to KL. If $PQ = KL = 10$ cm and the radius of the cross section of the pipe is 13 cm. Find the drop in the water level in cm.

Your solution here:

02

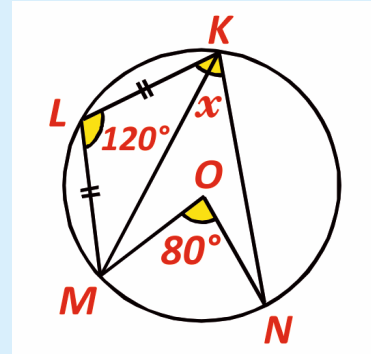
The given figure shows a round-bottomed flask which contains some water up to the level PQ. O is the centre of the spherical portion of the flask. If the perpendicular distance from O to PQ is 5 cm, find the radius of the surface level in cm.



Your solution here:

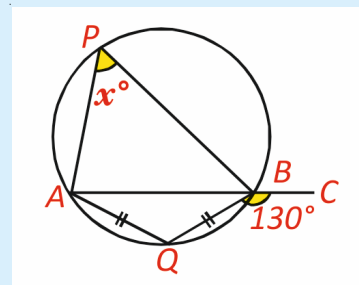
03 Find the value of x .

Your solution here:



04 In the given figure, ABC is a straight line. Find the value of x .

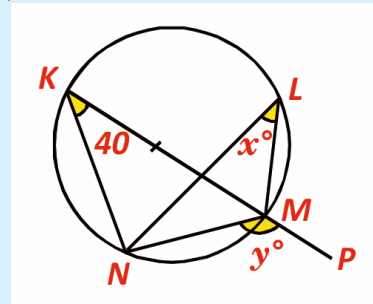
Your solution here:



05

In the given figure, KM is a diameter and KMP is a straight line. Find the value of $y - x$.

Your solution here:



06

In the given figure, LP is a diameter. Find the value of $x + y$.

Your solution here:

