

8/9/2020
TUESDAY

MATHEMATICS

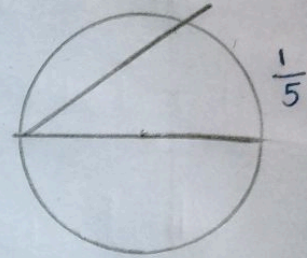
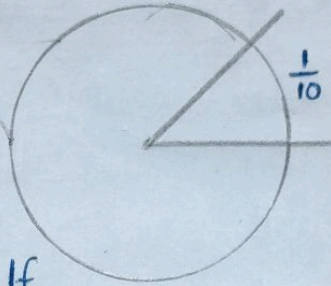
STD - X
class - 26

NOTES

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4. Ans)

central angle of the arc in
the first circle = $360 \times \frac{1}{10} = 36^\circ$



In the second figure also
the angle of the arc is 36° . If
the angle made by this arc on the circle is 36° ,
the angle made at the centre of the circle
is $36 \times 2 = 72^\circ$.

x part of the circle is 72° .

$$360 \times x = 72$$

$$x = \frac{72}{360}$$

$$= \frac{1}{5}$$

$\therefore \frac{1}{5}$ part of the second circle is in
the angle made by the arc.