Cosmo School

Work sheet for class-8

Chapter-10.3 circle

Subject teacher: Mohammed Barkatul Alam Tipu

1. PQ and RS are two chords of a circle with centre O. M and N are the midpoint of PQ and RS respectively.

(a) Find the area of the circle which diameter is equal to 10cm

(b) Prove that ON$\perp$RS.

(c) IF PQ$>$RS then prove that, OM$<$ON

2. Short question

(a) What is the angle subtended at the centre of a circle?

(b) Each chord divides a circle into how many arcs?

(c) Maximum in how many points a straight line can intersect a circle?

(d) If D is the midpoint of a chord AB of a circle with centre O, then $\angle$ODB=?

(e) A circle with area 1256 sq meters. What will be the diameter of the circle in centimeter?