Class: 9

Subject: Mathematics

Worksheets

Q1. The sides of a triangle are 8cm; 15cm and 17cm. find its perimeter and its area. Also find the length of the altitude drawn on the side with length 17cm.

Q2. The perimeter of the triangle is 44cm. if its sides are in the ratio 9:7:6 find its area.

Q3. The base of a right angled triangle is 5cm and hypotenuse is 13cm. Find its area.

Q4. Find the area of quadrilateral ABCD whose sides are 9m, 40m, 28m and 15m. The angle between the first two sides is a right angle.

Q5. Find the area of a trapezium whose parallel sides measure 60cm and 77cm and non-parallel sides are 25cm and 26cm.

Q6. It is possible to draw a circle which passes through three collinear points (T/F)

Q7. The perpendicular bisector of two chords intersect at centre of circle (T/F)

Q8. If two arcs of a circle are congruent. Then corresponding chords are unequal (T/F)

Q9. The line joining the mid-point of a chord to centre of circle is perpendicular to chord. (T/F)

Q10. If O is the center of circle of radius 5 cm OP perpendicular to AB and OQ perpendicular to CD, AB||CD, AB = 6cm and CD = 8 cm. Determine PQ.

Q11. The length of the chord of a circle is 30 cm and its distance from the centre is 8 cm. Find the radius of the circle.

A. 10 cm
B. 20 cm
C. 34 cm
D. 17 cm.

Q12. In a circle radius is 13cm, a chord is drawn at a distance of 12cm from the centre. Find the length of the chord.

A. 5 cm
B. 10 cm
C. 15 cm
D. 30 cm