



Purnata International School

Shree Swaminarayan Gurukul, Zundal

CLASS-8

SUBJECT-MATHS

WORKSHEET

PRACTICAL GEOMETRY

1 If three angles of quadrilateral are each equal to 75 degree then the fourth angle is what?

2 Which of the following diagonals bisect each other

a) Square b) Kite c) Trapezium

3) Which of the following all angles are equal

a) Rectangle b) Kite c) Trapezium

4) What is the maximum number of obtuse angle that a quadrilateral can have

a) 1 b) 2 c) 3

5) How many non overlapping triangles can we make in a n-gon (polygon having n sides)

By joining the vertices

a) $n-1$ b) $n-2$ c) $n-3$

6) What is the sum of all the angles of regular pentagon

7) What is the sum of all the angles of regular hexagon

8) What is the sum of all the angles of regular heptagon

9) If the two adjacent angles of a parallelogram are $(5x-5)$ and $(10x+35)$ then the ratio of these angles is what?

10) A quadrilateral whose all sides are equal, opposite angles are equal and the diagonals bisect each other at right angle is a

a) rhombus

b) parallelogram

c) square

11) Construct a parallelogram POQR in which $PO = 5.5\text{cm}$, $OQ = 7.2\text{cm}$, $\angle O$ is 70°

12) Construct a parallelogram HOME in which $HO = 5\text{ cm}$, $HE = 4\text{ cm}$, $\angle E = 30^\circ$

13) Construct a square in which each diagonal is 5 cm long

14) Construct a quadrilateral NEWS in which $NE = 7\text{ cm}$, $EW = 6\text{ cm}$, $\angle N = 60^\circ$, $\angle E = 110^\circ$

$\angle F = 85^\circ$