ASSIGNMENT NO. 7

CHAPTER- TRIANGLE & PROPERTIES

CLASS- VII SUBJECT- MATHS

Q1. Answer the following questions:-

a) Can a triangle have all three angles with measure less than 600 ?

b) Are two angles of an obtuse angled triangle acute?

c) Can a right angled triangle have two right angles?

Q2. Select the correct answer:-

i) The number of medians in a triangle is

a) 1 b) 2 c) 3 d) 4

ii) The angles of triangle add up to

a) 3600 b) 1800 c) 900 d) 1000

Q3. Two angles of a triangle ABC are 450 and 600. Find the third angle.

Q4. Find the value of x.

1250

2x 3x

Q5. Find the value of the unknown exterior angle x.

450

x 650

Q6. A ladder 17m long reaches a wall 15m high. How far is the foot of the ladder from the wall?

Q7. Find the perimeter of the rectangle whose length is 2cm and diagonal is 2.5cm.

Q8. If the angels of a triangle are in the ratio 2:3:4 , find all the angels.

800

Q9. Find the values of x and y in the given figure:-

y

450 x

Q10. ABC is a triangle, right angled at C. If AB= 25cm and AC= 7cm, find BC.

Q11. Fill in the blanks:-

1. A triangle has at least \_\_\_\_\_ acute angels.
2. In every triangle, the sum of interior angles of a triangle = \_\_\_\_\_ right angles.
3. In a right angled triangle, if one of the acute angle measures 250 then the measure of the other acute angle is \_\_\_\_\_\_.

Q12. Can a triangle have three angles whose measures are

1. 650 , 740 , 390 ?
2. One-third of right angle, 1 right angle, 600 ?