

Jender Heart High School, Sec.-33 chd.

Class: VII

Teacher: Jeepti

Subject: Mathematics

Revision for Term - II

Short answer questions:

- Quest 1.
- How many proper subsets in all are there of a set containing 6 elements
 - What is the Cardinal number of a set having even prime number.
 - Is $\{\emptyset\}$ an empty set? Justify
 - Suggest an Universal set for $A = \{1, 2, 4\}$
 $B = \{6, 7, 8\}$ and $C = \{5, 9, 10\}$

- Quest 2. By selling a bag for ₹ 800, a man loses 10%. Find the cost price of that bag.
(Hint: $C.P = \frac{100}{100-L\%} \times S.P$)

- Quest 3. A scooterist travels at 36 km/h. for 3 hours and 54 km/h for 7 hours. find his average speed.

- Quest 4. A cyclist covers 175 metres in 25 seconds. what is his speed km/h?

- Quest 5. Solve for x
 $2(x+5) - 3(x-5) = 4(x+8) + 21$

- Quest 6. In a class of 50 students, the number of girls are three-fifths of total, find the number of girls and boys.

Class: VII

classmate

Date

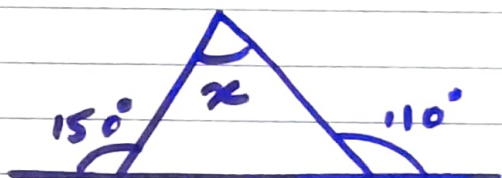
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Subject: Mathematics

Teacher: Deepthi

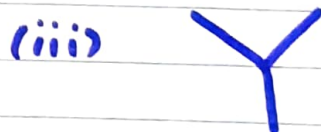
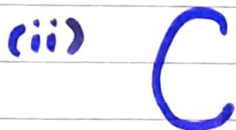
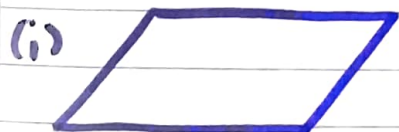
Quest 7. One of the two angles of an isosceles triangle measure two-fifth of 45° , find all the three angles of an isosceles triangle.

Quest 8. Find the value of x



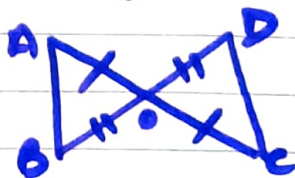
Quest 9. A 15 m long ladder is rested against a wall such that the foot of the ladder is 12 m away from the wall. How up on the wall is the upper end of the ladder?

Quest 10. Discuss all the three types of Symmetry:



Quest 11. Draw a net of Cylinder, Square pyramid and write its edges, vertices, faces.

Quest 12. Show that the given Two triangles are Congruent (Justify your answer)



Quest 13. Find the area of shaded part

ACB is a semicircle

while a small semicircle with diameter 6 cm and square of side 2 cm.

