MATHEMATICS
SAMPLE TEST PAPER (SEMSTER II)
CLASS VII

Class:7   Max Mks:45

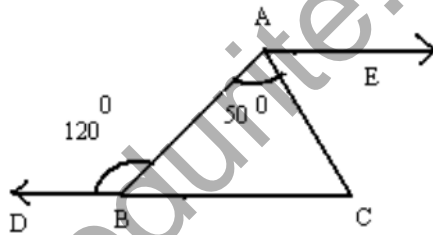Time :2hrs   No of pages: 3

General Instructions:

- ✠ All questions are compulsory.
- ✠ Questions 1to 5 carry 1mark each.
- ✠ Questions 6 to 10 carry 2mark each.
- ✠ Questions 11 to 16 carry 3mark each.
- ✠ Questions 17 to 19 carry 4mark each.

1.   which of the following pairs of angles form a pair of supplementary angles?
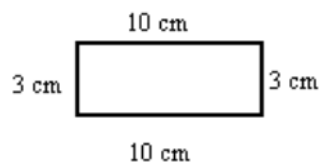

(a)59^0 and 250   (b)$145^0$and 215^0 (c)$125^0$and 55^0 (d)$45^0$and 45^0

2.   A triangle whose sides are of length 30cm, 50cm, and 40cm is a

(a)right angled triangle   (b)equilateral angled triangle

(c)acute angled triangle   (d) obtuse angle triangle

3.   Which of the letter has horizontal as well as vertical line of symmetry
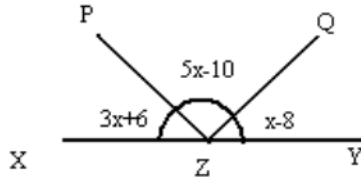
A   B   H   S

4.   Perimeter of the box is
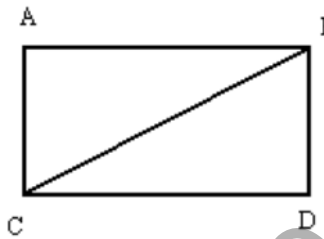
(a)26   (b)14   (c)12   (d)24

5.   What is the area of circle when circumference is 44 cm

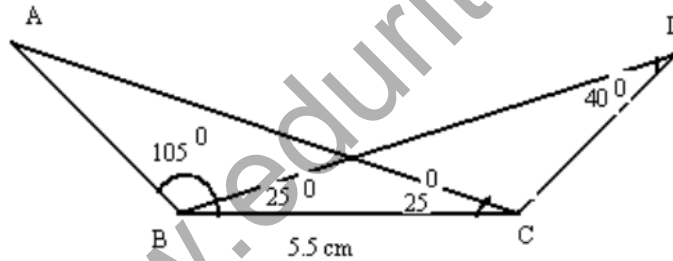(a)256 cm2   (b) 154 cm2   (c) 616 cm^2 (d) 308 cm^2
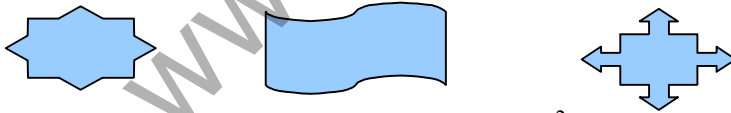
6. Find the unknown values

7. Draw a sketch of an equilateral triangle, an isosceles triangle

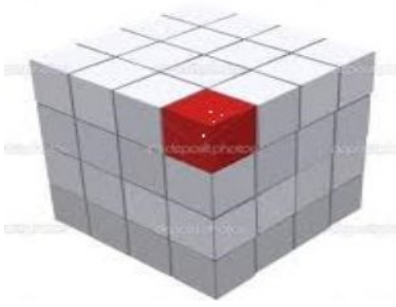8. In given rectangle ABCD prove that triangle ABD is equal to triangle CDB

9. using ASA congruence condition identify pairs of congruent triangles.

10. Find the order of rotational symmetry about the center of rotation O.

11. Find the altitude of triangle whose area is 85 cm^2 and base is 15.2 cm.

12. From a square cardboard of area 196cm2, a circle with biggest possible area is cut out. Find the area of remaining cardboard.

13. Count the number of cubes

14. a) Find the median of the numbers

3,5,1,6,8,10,3,4,5,9,12

b) Appu drives his car 50km towards East and then drives 45 km towards North. How far is he from the starting point?
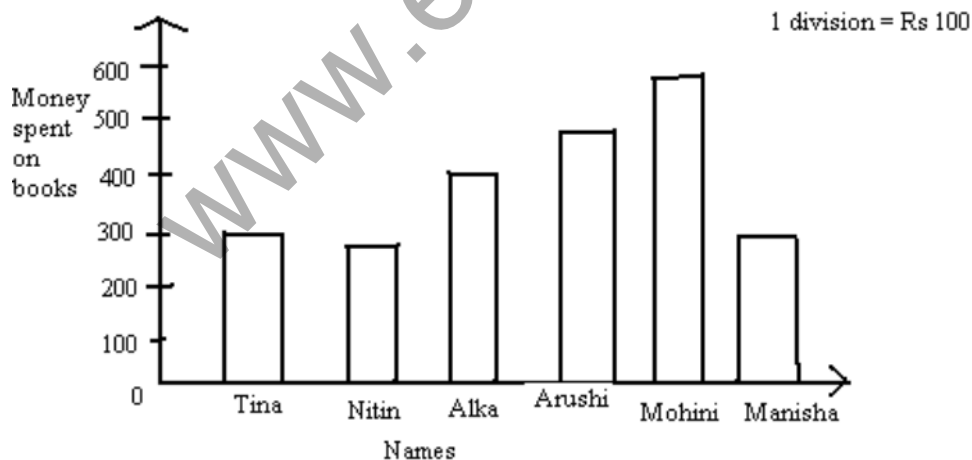
15. What is the probability of choosing letter O from CORRUPTION

16. Construct a triangle PQR where QR = 4.2 cm, angle Q = 1300, R = 400, measure P. Whatsit kind of triangle is this?

17. Construct a triangle XYZ with XY = 9 cm angle $X = 80^0$ and $Y = 65^0$

18. Each wheel of bicycle has a radius of 70 cm. How many complete revolutions does each wheel make to cover a distance of 2km 520m

19. Read the bar graph and answer the following

(a) who spent the least amount of money on books

(b) who spent Rs 550

© Find the fraction for the money spent by Nitin to the money spent by Tina