

I. Choose the correct answer:

- A _____ is a set of points.
a. angle b. line c. polygon
- A _____ is a part of a line.
a. ray b. angle c. triangle
- Two _____ angles make a straight angle.
a. acute b. obtuse c. right
- When the sum of the measures of two angles is _____, the pair of angles are called Complementary angles.
a. 90° b. 0° c. 180°
- Zero angle is equal to _____.
a. 90° b. 0° c. 180°
- The square number of 5 is _____.
a. 5 b. 10 c. 25
- The next square number of 9 is _____.
a. 16 b. 25 c. 36
- _____ is the smallest composite number.
a. 1 b. 2 c. 4
- L.C.M means _____.
a. Lowest Common Multiplication
b. Least Common Multiple
c. Limited Common Multiple
- A _____ number has only two factors.
a. Natural b. Even c. Prime
- Angle of a _____ is 360° .
a. Circle b. Even c. Prime
- A hexagon has _____ sides.
a. 3 b. 6 c. 8
- _____ angle is equal to 180° .
a. Zero b. Right c. Straight
- In an Equilateral triangle measure of each angle is _____.
a. 90° b. 60° c. 360°
- A _____ of the plane is a collection of surface of the plane.
a. surface b. tiling c. area

II. Match the following:

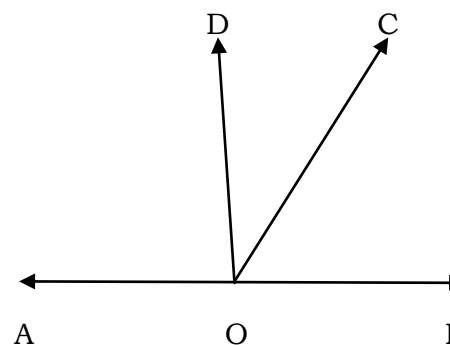
6x1=6

- | | | |
|---------------------------------|---|------------------------------------|
| 16. Acute angle | - | 1 |
| 17. Only even prime number | - | exactly 90° |
| 18. Obtuse angle | - | 3 |
| 19. Right angle | - | 2 |
| 20. Neither Prime nor Composite | - | between 90° and 180° |
| 21. Smallest odd prime number | - | Less than 90° |

III. Answer any six questions:

6x3=18

- Write the factors of 25.
- Draw the picture of a factor tree of 50.
- Write the first 6 multiples of 11.
- Write the measure of the complementary angle of 40° .
- Write the measure of the supplementary angle of 100° .
- Name the angles given in the figure.



- Find the angle made by the hands of the clock at 2 O'clock.

29. Fill in the blanks:

i) C ____ T, B ____ T, S ____ T

ii) S ____ L L, B ____ L L, T ____ L L

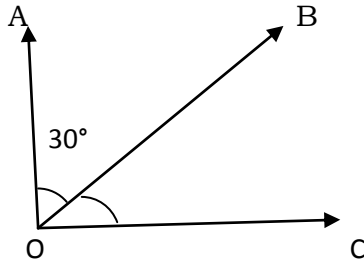
VI. Answer any five questions:

5x5=25

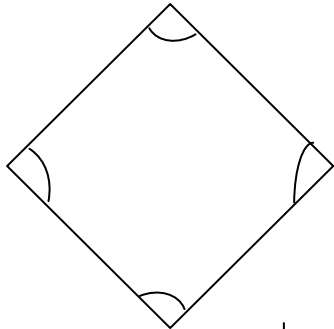
30. Find L.C.M of 30 and 20.

31. Find first three common multiples of 12 and 8.

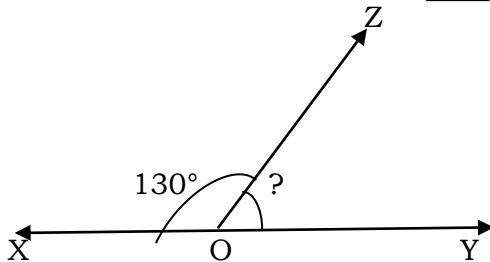
32. In the following figure, $\angle AOC = 90^\circ$, $\angle AOB = 30^\circ$, Find $\angle BOC = ?$



33. Find the angle of the given shape using the equilateral triangle.



34. In the following figure, find $\angle ZOY = ?$



35. Find the angle of a rectangle using a circle.

V. Geometry:

1x6=6

36. Draw a line segment $\overline{xy} = 5$ cm.

VI. FBT:

5 Marks

37. Form any 5 words ending with the letters "INK".