O. P. JINDAL SCHOOL, RAIGARH (CG) 496 001
Phone: 07762-227042, 227293, 227001 (Extn. 49801, 49802, 49804, 49806); Fax: 07762-262613; website: www.opjsrgh.in; e-mail:opjsraigarh@jspl.com

WORK SHEET

SUBJECT- MATHS

Chapter-5: Understanding Elementary Shapes

CLASS- VI **Date: 03.09.14**

I. Choose the correct option (Multiple Choice Questions) :

1. Which type of triangle is this?

Triangle with length of sides 7 cm, 8 cm and 9 cm

(a) scalene triangle (b) isosceles triangle

(c) equilateral triangle (d) none of these

2. The cylinder has _____ bases.

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

3. The measure of a right angle is _____.

(a) 60° (b) 90° (c) 30° (d) 180°

4. An angle is _____ if its measure is smaller than that of a right angle.

(a) obtuse (b) right (c) straight (d) acute

5. A _____ angle is larger than a straight angle.

(a) reflex (b) right (c) straight (d) complete

6. How many degrees are there in half a revolution?

(a) 180° (b) 90° (c) 270° (d) 360°

7. How many right angles make 180°?

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

8. How many right angles make 360°?

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

9. Which of the following is model for perpendicular lines?

(a) The parallel edges of a table top.

(b) The lines of a railway track.

(c) The line segments forming the letter ‘L’.

(d) The letter ‘V’.

10. What is the angle name for one-fourth revolution?

(a) straight angle (b) right angle (c) complete angle (d) none of these

11. Find the number of right angles turned through by the hour hand of a clock when it goes from 3 to 6.

(a) 3 (b) 2 (c) 1 (d) 0

12. If an angle is larger than a right angle, but less than a straight angle, it is called an _____.

(a) right angle (b) straight angle (c) acute angle (d) obtuse angle

13. There are _____ main directions.

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

II. Fill in the blanks:

14. A _____ is a polygon which has four sides.

15. Each angle of a rectangle is a _____ angle.

16. Two faces meet at a line segment called an _____.

17. The cylinder, the cone and the sphere have no _____ edges.

18. When the sum of the measures of two angles is that of a right angle, then each one of them is _____.

19. When two lines intersect and the angle between them is a right angle, then the lines are said to be _____.

20. A line segment is a fixed portion of a _____.

21. The angle for one revolution is a _____.

III. Do as directed:

22. Which direction will you face if you start facing:

(a) south and make one full revolution?

(b) east and make half of a revolution clockwise?

23. How many right angles do you make if you start facing:

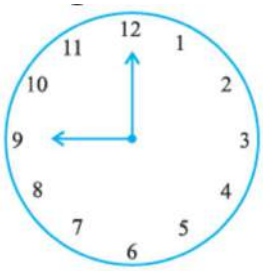
(a) south and turn clockwise to west?

(b) north and turn anti-clockwise to east?

24. Describe the types of triangles on the basis of angles.

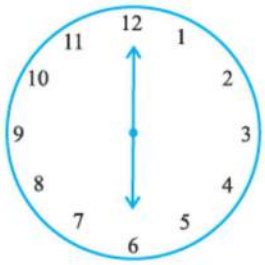
25. Find the angle measure between the hands of the clock in each figure:

(a)



9.00 a.m.

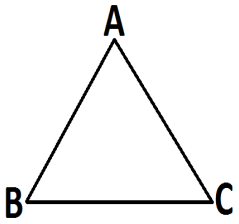
(b)



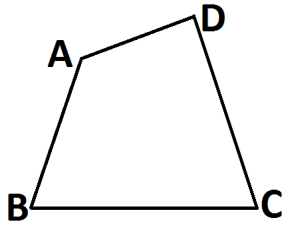
6.00 p.m.

26. How many angles are formed in the figures (i), (ii) and (iii)? Name them.

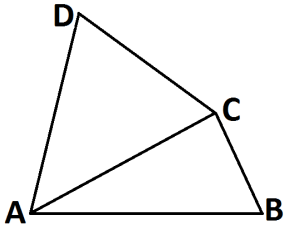
(i)



(ii)



(iii)



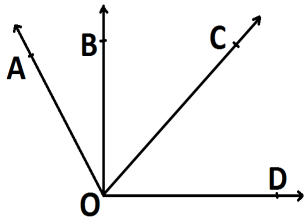
27. A ship sailing in river Jhelam moves towards east. If it changes to north, through what angle does it turn?

28. A bicycle wheel makes four and a half turns. Find the number of right angles through which it turns.

29. Which of the following statements are true:

(i) The vertex of an angle lies in its interior.
(ii) The vertex of an angle lies in its exterior.
(iii) The vertex of an angle lies on it.

30. In figure, which of the following statements are true:



(i) Point B is the interior of ∠AOB.
(ii) Point B is the interior of ∠AOC.
(iii) Point A is the interior of ∠AOD.
(iv) Point C is the exterior of ∠AOB.
(v) Point D is the exterior of ∠AOC.