

MATHEMATICS WORKSHEET – CLASS IV
SHAPES, SPACE AND PATTERNS- WORKSHEET

Name : _____ Class: _____ Roll No: _____

Fill in the blanks

1. A polygon is named according to number of _____ it has.
2. Closed shapes formed only with straight lines are called _____
3. The length of the circle is called its _____
4. _____ is twice the radius of the circle.
5. The instrument used to draw a circle is called _____
6. The longest chord of the circle is _____
7. The diameter passes through the _____ of the circle.
8. A polygon with three line segments is called a _____ -
9. Closed shapes are also called _____ .
10. A circle is named by its _____.
11. A polygon with 4 sides is called a _____
12. Shapes that fit in such a way that there are no gaps and they do not overlap are called _____
13. When one half of the figure is exactly the same as the other half of the figure it is called _____
14. The radius of a circle of diameter 12 cm is _____
15. A _____ is a special rectangle in which all 4 sides are equal.

Write true or false

1. A triangle is a polygon. ()
2. All rectangles are quadrilaterals. ()
3. The radius of a circle is double the length of diameter. ()
4. All the radii of a particular circle are of equal length. ()
5. All closed curves form polygons . ()
6. The chord and radius of a circle meet at the centre of the circle. ()
7. A circle is a polygon. ()

Solve

1. The diameter of a wheel is 86m. Find its radius?

2. The radius of a circle is 16cm, then what will be its diameter?

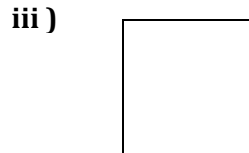
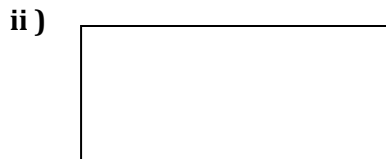
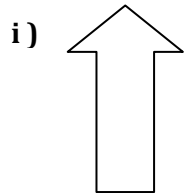
3. Read the message and decode

A B C D E F.....

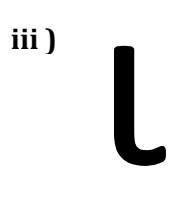
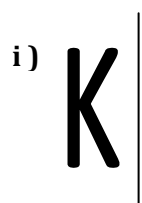
2 4 6 8 10 12.....

Then write the code for S C H O O L -----

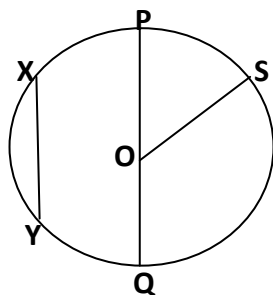
4. Draw all the possible lines of symmetry.



5. Draw the reflection



6. Name the parts of the circle.



Centre : _____

Radii : _____, _____, _____

Diameter : _____

Chords : _____, _____
