


Doon Public School, Bhuj

Maths Practice Worksheet

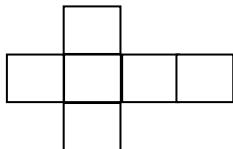
CLASS - IV

Chapter 7 : The world of shapes





Q1. Choose the correct option.

- A triangle is a closed plane shape with
 - 2 sides
 - 4 sides
 - 3 sides
 - 5 sides
- A closed plane shape with 5 sides is called a
 - Pentagon
 - hexagon
 - square
 - heptagon
- Which of the following does not have any curved surface?
 - Cone
 - Sphere
 - Cuboid
 - Cylinder
- A perfectly round solid shape is
 - Sphere
 - Cone
 - Cylinder
 - Cuboid
- Vertices are also called
 - Edges
 - Corners
 - Faces
 - Sides
- A 3-D shape has been opened upto a flat 2-D shape (a net) and is shown below? What was the 3-D shape?

 - Sphere
 - Cylinder
 - Cone
 - Cube
- A cupboard usually has the shape of which 3-D shape?
 - Cuboid
 - Cylinder
 - Cube
 - Cone
- How many vertices does a cylinder have?
 - six
 - eight
 - Two
 - none
- How many edges does a cube has?
 - 6
 - 8
 - 10
 - 12

10. A 3-D shapes has been opened up to a 2-D shape (a net) and is shown below? What was the 3-D shape?



- Sphere
 - Cone
 - Cube
 - Cylinder
11. A closed plane shape having 9 sides is called _____.
- Hexagon
 - Pentagon
 - Nonagon
 - None of these
12. A circle has only _____ centre.
- 1
 - 2
 - 3
 - 0

13.     are all _____.

a. Quadrilaterals

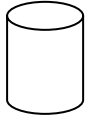
b. Triangles

c. Polygons

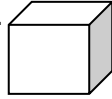
d. None of these

14. Which of the following figures consists of exactly 6 faces?

a.



b.



c.

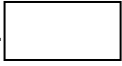


d.



15. Which could be one of the faces of a cylinder?

a.



b.



c. Both a and b

d. None of these

16. A quadrilateral having all sides equal is called _____.

a. Hexagon

b. Rectangle

c. Triangle

d. Square

17. _____ is the longest chord of the circle.

a. radius

b. Circumference

c. Diameter

d. None of these

18. If the radius of a circle is 10 cm its diameter will be

a. 20 cm

b. 2.5 cm

c. 40 cm

d. None of these

19. Number of flat faces in a sphere is

a. 1

b. 2

c. 0

d. 3

20. A flat surface of a shape is known as _____.

a. a vertex

b. a face

c. an edge

d. a net

Q2 Fill in the blanks.

1. The _____ view is the view of an object from top.
2. Front view is the view of an object from the _____.
3. _____ view is the view of an object from the side.
4. Diameter of a circle divides it into two _____.
5. A cone has one _____ face and one _____ face.
6. _____ is a closed simple curve.
7. A closed shape having 3 or more sides is called _____.
8. The top view, front view and side view of a cube is _____.
9. Quadrilateral with all equal sides is called _____.
10. _____ has its same starting and ending point.
11. _____ of the circle is longest chord.
12. A cylinder has _____ edges.
13. The front view of the cone is a _____.
14. The point from which we draw a circle, using a compass, is known as _____.
15. The polygon with 6 sides is called _____.

Q 3. State True or False:


1. A line has fixed endpoints. _____
2. A ray has one endpoint. _____
3. A circle can have radii of different lengths. _____
4. Triangle is a quadrilateral. _____

5. Cuboid has 4 curved faces. _____
6. All chords of a circle have the same length. _____
7. We cannot draw the net of the sphere. _____
8. A polygon of 8 sides is called a pentagon. _____
9. Circle is an open curve. _____
10. Diameter is two times of radius. _____
11. A circle can be drawn using a protractor. _____
12. Cube and cuboid both have 6-flat faces. _____
13. Net is a plane shape which when folded becomes a particular shape. _____
14. All faces of a cube are similar in shape and size. _____
15. The base and bottom of a cylinder are identical. _____

Answer Key

Q1. Choose the correct option.

1. A triangle is a closed plane shape with
 - a. 2 sides
 - b. 4 sides
 - c. 3 sides**
 - d. 5 sides
2. A closed plane shape with 5 sides is called a
 - a. Pentagon**
 - b. hexagon
 - c. square
 - d. heptagon
3. Which of the following does not have any curved surface?
 - a. Cone
 - b. Sphere
 - c. Cuboid**
 - d. Cylinder
4. A perfectly round solid shape is
 - a. Sphere**
 - b. Cone
 - c. Cylinder
 - d. Cuboid
5. Vertices are also called
 - a. Edges
 - b. Corners**
 - c. Faces
 - d. Sides
6. A 3-D shape has been opened upto a flat 2-D shape (a net) and is shown below? What was the 3-D shape?



 - a. Sphere
 - b. Cylinder**
 - c. Cone
 - d. Cube
7. A cupboard usually has the shape of which 3-D shape?
 - a. Cuboid**
 - b. Cylinder
 - c. Cube
 - d. Cone

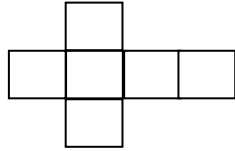
8. How many vertices does a cylinder have?

- a. six b. eight c. Two **d. zero**

9. How many edges does a cube has?

- a. 6 b. 8 c. 10 **d. 12**

10. A 3-D shapes has been opened up to a 2-D shape (a net) and is shown below? What was the 3-D shape?



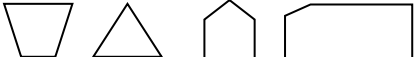
- a. Sphere b. Cone **c. Cube** d. Cylinder

11. A closed plane shape having 9 sides is called _____.

- a. Hexagon b. Pentagon **c. Nonagon** d. None of these

12. A circle has only _____ centre.

- a. 1** b. 2 c. 3 d. 0

13.  are all _____.

- a. Quadrilaterals b. Triangles **c. Polygons** d. None of these

14. Which of the following figures consists of exactly 6 faces?

- a.  b.  c.  d. 

15. Which could be one of the faces of a cylinder?

- a.  b.  **c. Both a and b** d. None of these

16. A quadrilateral having all sides equal is called _____.

- a. Hexagon b. Rectangle c. Triangle **d. Square**

17. _____ is the longest chord of the circle.

- a. radius b. Circumference **c. Diameter** d. None of these

18. If the radius of a circle is 10 cm its diameter will be

- a. 20 cm** b. 2.5 cm c. 40 cm d. None of these

19. Number of flat faces in a sphere is

- a. 1 b. 2 **c. 0** d. 3

20. A flat surface of a shape is known as _____.

- a. a vertex **b. a face** c. an edge d. a net

Q2. Fill in the blanks.

1. The **top view** is the view of an object from top.
2. Front view is the view of an object from the **front**.
3. **Side** view is the view of an object from the side.

4. Diameter of a circle divides it into two **halves**.
5. A cone has one **flat** face and one **curved** face.
6. **Circle/Oval** is a closed simple curve.
7. A closed shape having 3 or more sides is called **polygon**.
8. The top view, front view and side view of a cube is **same**.
9. Quadrilateral with all equal sides is called **square**.
10. **Closed curve** has its same starting and ending point.
11. **Diameter** of the circle is longest chord.
12. A cylinder has **2** edges.
13. The front view of the cone is a **triangle**.
14. The point from which we draw a circle, using a compass, is known as **centre**.
15. The polygon with 6 sides is called **hexagon**.

Q 3. State True or False:

- | | |
|--|---------------------|
| 1. A line has fixed endpoints. | <u>False</u> |
| 2. A ray has one endpoint. | <u>True</u> |
| 3. A circle can have radii of different lengths. | <u>False</u> |
| 4. Triangle is a quadrilateral. | <u>False</u> |
| 5. Cuboid has 4 curved faces. | <u>False</u> |
| 6. All chords of a circle have the same length. | <u>False</u> |
| 7. We cannot draw the net of the sphere. | <u>True</u> |
| 8. A polygon of 8 sides is called a pentagon. | <u>False</u> |
| 9. Circle is an open curve. | <u>False</u> |
| 10. Diameter is two times of radius. | <u>True</u> |
| 11. A circle can be drawn using a protractor. | <u>False</u> |
| 12. Cube and cuboid both have 6-flat faces. | <u>True</u> |
| 13. Net is a plane shape which when folded becomes a particular shape. | <u>True</u> |
| 14. All faces of a cube are similar in shape and size. | <u>True</u> |
| 15. The base and bottom of a cylinder are identical. | <u>True</u> |