7 Shapes

Q1. Count the number of circles in the given figure:
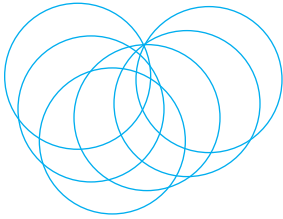
Answer: _____ circles

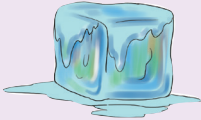**Q2. What is the shape of the following 3-D objects:**

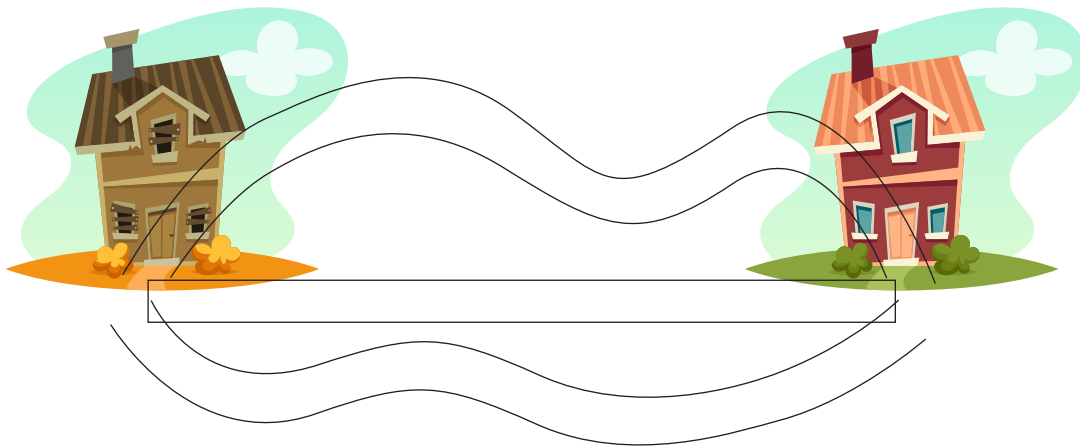| Object	Shape
	_____
	_____
	_____
	_____
	_____

Q3. How many points are there on any given line?

Answer: _____

Q4. Colour the shortest road between the two houses.

Q5. Look at the figure carefully and write whether it is an example of parallel lines or intersecting lines.

_____

Q6. Fill in the blanks:

a. A line segment has _____ length . (fixed/ indefinite)

b. A line has _____ end. (a fixed/ no)

c. _____ lines are always the same distance apart.(Parallel/ Intersecting)

d. Lines that meet or cross each other are called _____lines. (Parallel/ Intersecting)

Q7. **Which English alphabet will you get if you draw:**

a. Two intersecting lines of same length

Answer: _____

b. Two vertical parallel lines of same length and join their mid points

Answer: _____

Q8. **Classify the surfaces as plane or curved and tick the correct box.**

Surface	Plane surface?	Curved Surface?
Surface of a blackboard		
Surface of a globe		
Surface of an egg		
Floor of a room		

Q9. **Mark the plane and curved surface in the following figures:**
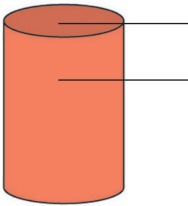
Q10. **What is the minimum number of sides that a polygon can have?**

Answer: _____

Q11. **Which of these is not a polygon?**

a. Rectangle
b. Circle
c. Square
d. Triangle

Answer: _____

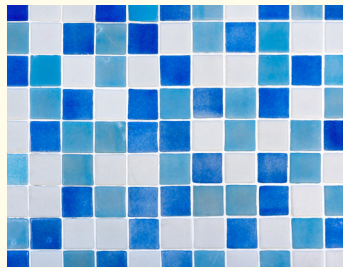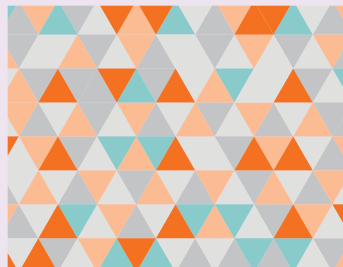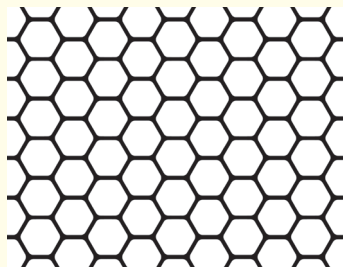**Q12.** **Fill in the table according to the number of sides and vertices in 2-D shapes:**

Shape	Sides	Vertices
Rectangle	_____	_____
Square	4	_____
_____	3	3

Q13. Choose the correct answer :
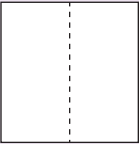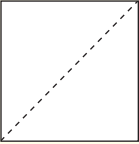
    a. Which of the following has/have 8 vertices?

        i.   Cube   ii. Cuboid   iii.   Both cube and cuboid

    b. Which of the following has 2 plane and 1 curved face?

        i.   Cube   ii. Cylinder   iii.   Cone

    c. Which of the following has 12 equal edges?

        i.   Cube   ii. Cuboid   iii.   Cone

Q14. Match the tile design with the shape of the tile used in the design:

Tile Design	Shape of the tile used
	Hexagonal
	Rectangular
	Square
	Triangular

Q15. **Identify the shape you will get on folding a square piece of paper on the following lines:**

	_____
	_____

1. 6 circles

2.

Object	Shape
a.	Cylinder
b.	Cube
c.	Cuboid
d.	Sphere
e.	Cone

3. Infinite

4. Colour the straight path

5. intersecting lines

6. a. fixed   b. no   c. Parallel   d. Intersecting

7. a. X   b. H

8.

Surface	Plane surface?	Curved Surface?
Surface of a blackboard	✓	
Surface of a globe		✓
Surface of an egg		✓
Floor of a room	✓	

9. Plane surface, curved surface

10. 3 sides

11. Circle

12.

Shape	Sides	Vertices
Rectangle	4	4
Square	4	4
Triangle	3	3
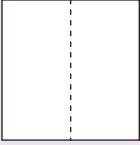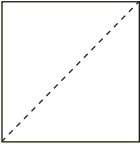
13. a. (iii)   b. (ii)   c. (i)

14.

Tile Design	Shape of the tile used
a.	Square
b.	Triangular
c.	Hexagonal
d.	Rectangular

15.

	Rectangle
	Triangle