



# CREST Mathematics Olympiad (CMO) Worksheet *for* Class 2



**Topic**

## Geometric Shapes and Solids



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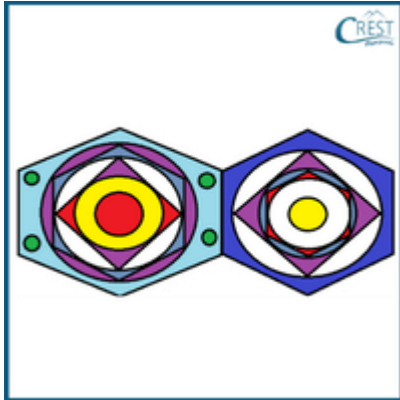
info@crestolympiads.com



+91-98182-94134

## Worksheet on Geometric Shapes and Solids

1. How many circles are shown in the figure given below?



- a. 10
- b. 11
- c. 12
- d. 13

2. What is the sum of the number of sides of four triangles, three squares and two heptagons?

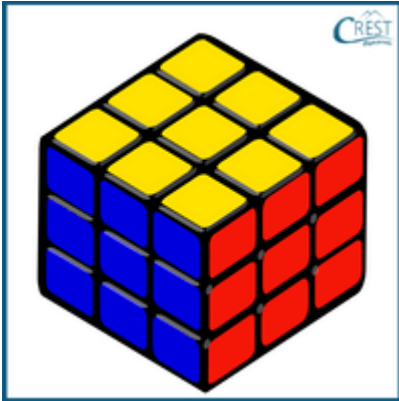
- a. 32
- b. 34
- c. 36
- d. 38

3. Which shape is NOT present in the figure given below?



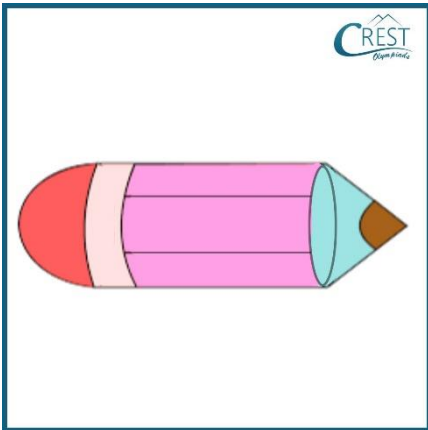
- a. Triangle
- b. Rectangle
- c. Pentagon
- d. Hexagon

4. How many small cubes are present in this Rubik's cube?



- a. 18
- b. 27
- c. 36
- d. 54

5. Identify the combination of solid shapes in the given pencil.



- a. Cylinder, Cube and Hemisphere
- b. Cylinder, Cuboid and Sphere
- c. Cylinder, Cone and Hemisphere
- d. Cylinder, Cone and Square

## Answer Key

1. c - 12

**Explanation:** There are 12 circles.

2. d - 38

**Explanation:** A triangle has 3 sides, a square has 4 sides and a heptagon has 7 sides.

Number of sides of four triangles =  $4 \times 3 = 12$

Number of sides of three squares =  $3 \times 4 = 12$

Number of sides of two heptagons =  $2 \times 7 = 14$

Sum of the number of sides of four triangles, three squares and two heptagons  
=  $12 + 12 + 14 = 38$

3. d - Hexagon

**Explanation:** Hexagon is not present.

4. d - 54

**Explanation:** Each face has 9 small cubes.

Number of faces in a cube = 6

Number of small cubes in Rubik's cube =  $6 \times 9 = 54$

5. c - Cylinder, Cone and Hemisphere

**Explanation:** The pencil has a Cylinder, cone and Hemisphere.

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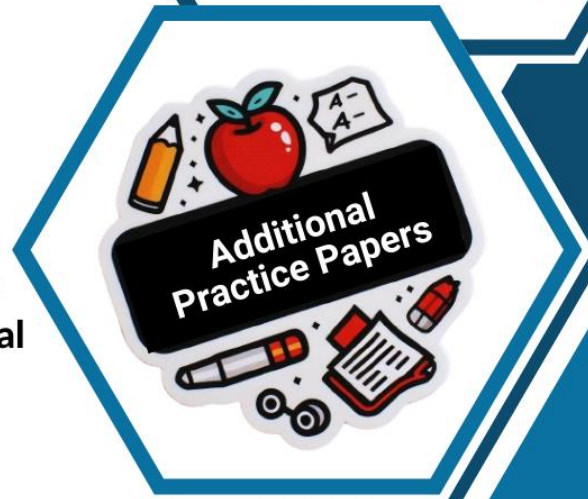
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