

ATOMIC ENERGY CENTRAL SCHOOL-1, HYDERABAD

PERIODIC TEST-1, JULY 2025

CLASS: IV / SEC: _____ SUB: MATHEMATICS TIME: 1^{1/2} hours

Name of the student: _____ Roll No.: _____

Date: _____ Max. Marks: 40 Marks Obtained: _____

Invigilator's Signature: _____ Examiner's Signature: _____

Section A – Knowledge (10 Marks)

Q1. Choose the correct answer and fill in the blanks. (1x2=2)

(i) A cube has _____ faces. (8/ 6/ 10)

(ii) A cuboid has all its faces in the shape of a _____ (triangle/ square/ rectangle)

Q2. Write True or False. (1x2=2)

(i) A ball is a sphere. _____

(ii) A cone has two curved faces. _____

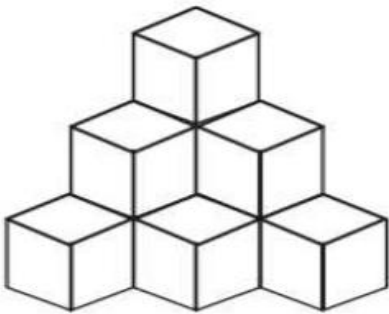
Q3. Answer the following questions. (2x3=6)

(i) Draw any two 2D shapes and label the number of angles in each.

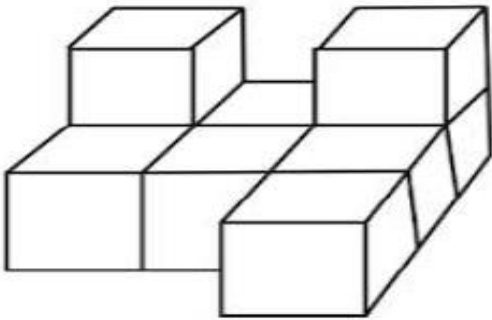
(ii) Write the number of faces, edges and corners of the following.

Shape	Faces	Edges	Corners
Pentagonal Pyramid			
Rectangular Prism			

(iii) How many cubes are there in these towers?



i) _____



ii) _____

Section B – Understanding (10 Marks)

Q4. Name the following. **(1x2=2)**

(i) Which 3D shape has a circular base and a pointed top?

(ii) Which shape has only triangular faces?

Q5. Use your understanding to answer these.

(2x2=4)

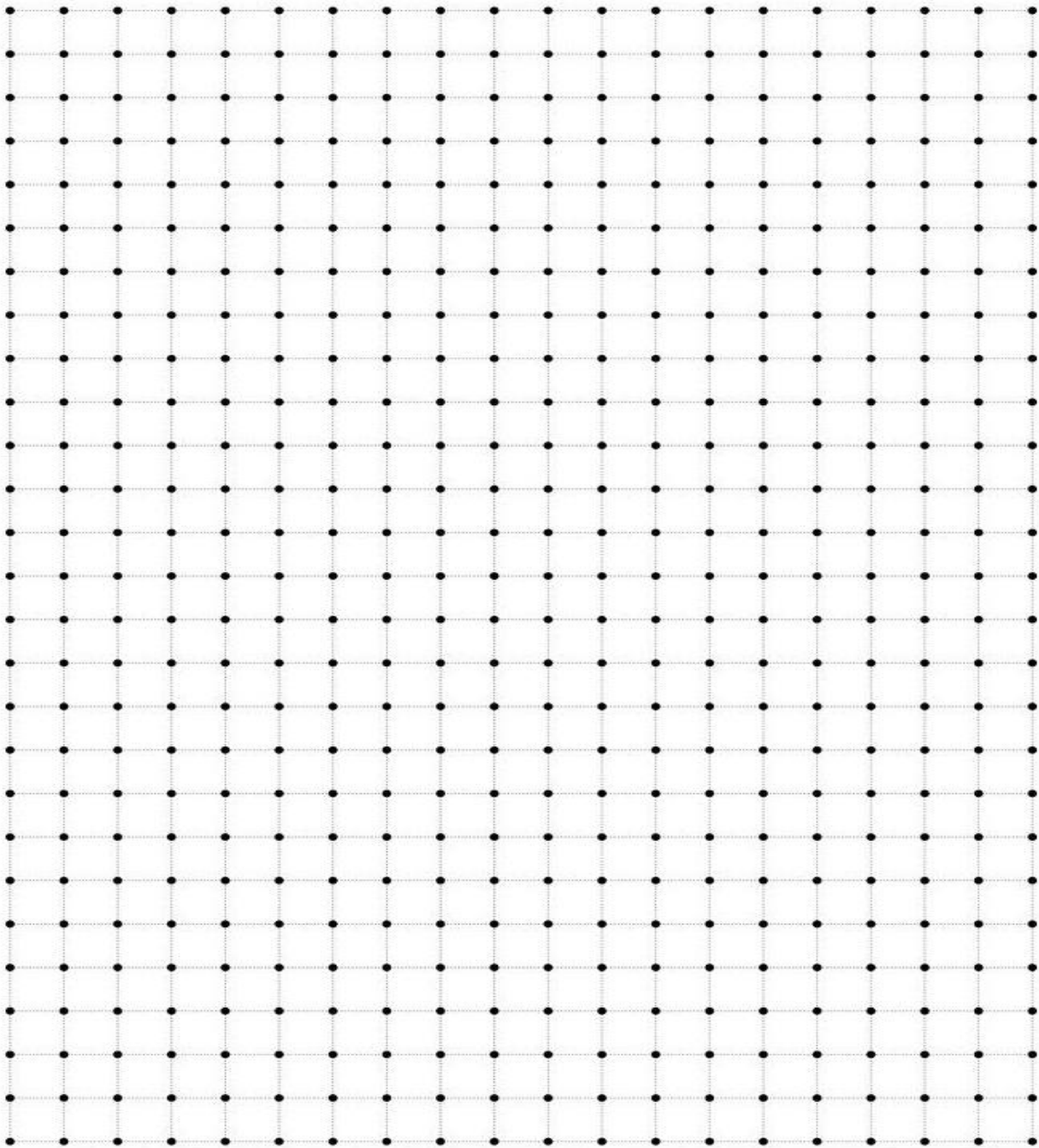
- (i) Where do you see angles in the classroom? Give a few examples.

- (ii) Draw a circle of radius 4 cm and label its centre, radius and diameter.

Q6. Use the dot grid to draw 4 shapes and write their names.

(4x1=4)

- Shape with two right angles - _____
- Shape with no corners - _____
- Shape with both straight and curved edges - _____
- Shape with all right angles - _____



Section C – Ability to Compute (10 Marks)

Q7. Fill in the blanks.

(1x2=2)

(i) If the diameter of a circle is 12 cm, then its radius will be ____ cm. (3,6)

(ii) Obtuse angles are _____ than a right angle. (more / less)

Q8. Read the questions and answer them carefully.

(2x2=4)

(i) Count and write the type of angles in the given name.

A K R I T I

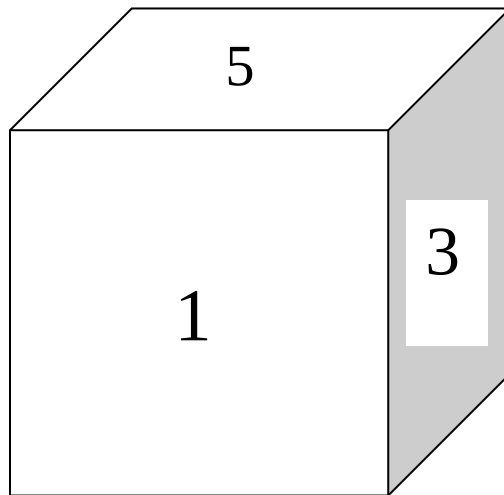
Acute angle - _____

Right angle - _____

Obtuse angle - _____

Total angle - _____

(ii) Observe the given dice and answer the following questions.

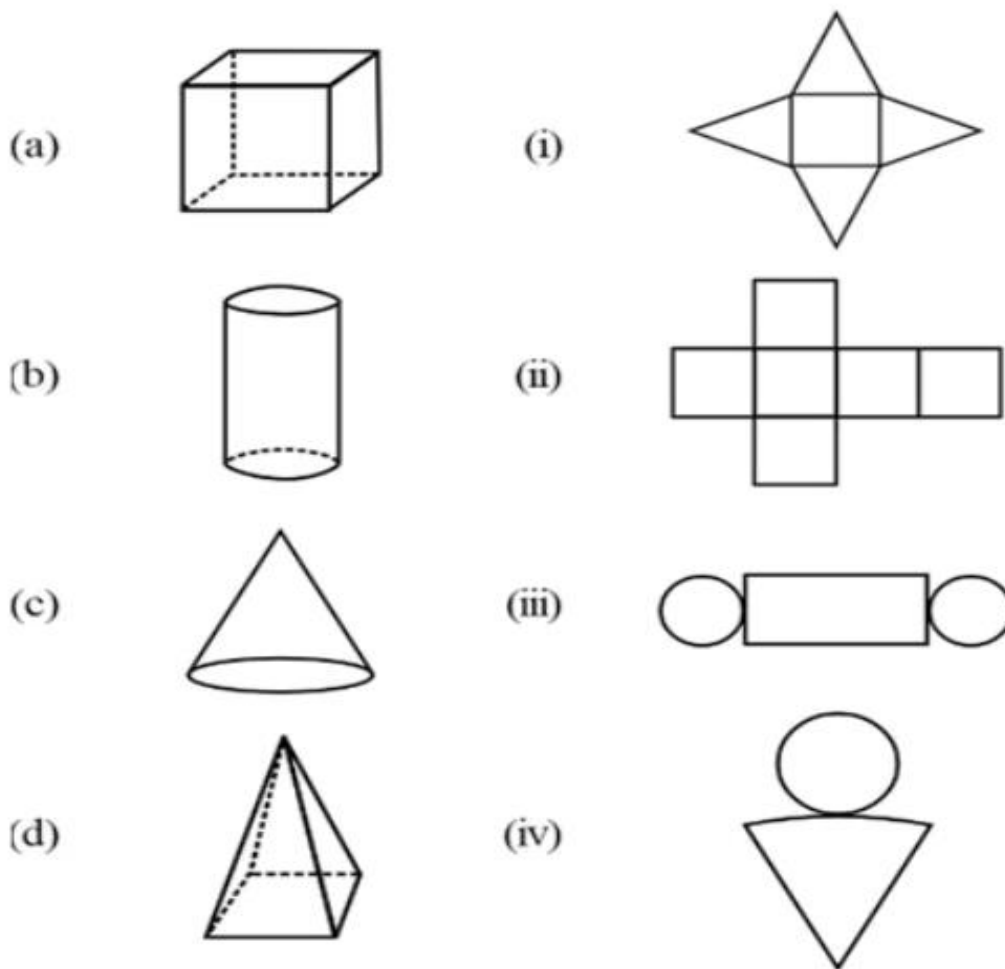


(a) Which faces have common edges with face numbered 1?

(b) Which number is opposite to the face numbered 3?

Q9. Match the following.

(4x1=4)



Section D – Problem Solving Ability (10 Marks)

Q10. Choose the correct shape and fill in the blanks.

(1x4=4)

cone, cylinder, cube, sphere, square pyramid, triangular prism

1. I have only curved face, no edges or no corners. _____
2. I have 1 curved face and 1 flat face. _____
3. I have 5 faces. One of my face is a square and 4 faces are triangle. I have 8 edges and 5 corners. _____

4. I have 5 faces. Two of my faces are triangle. I have 9 edges and 6 corners.

Q11. Answer the following questions.

(2x3=6)

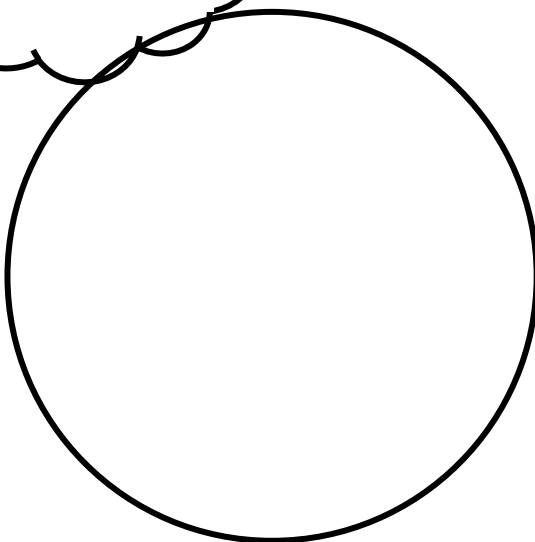
(i) Write the name of two things that are used to trace circle.

(ii) Shape Sorting!

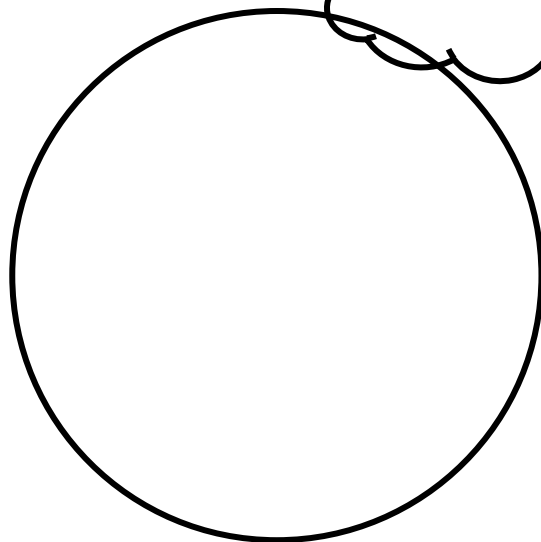
Sort the given shapes in two circles.

Cube, Cuboid, Sphere, Cylinder, Cone, Triangular Prism, Triangular Pyramid,
Hemisphere

Shapes that have
curved faces



Shapes that
have flat faces



(iii) Write the following numbers in words.

(a) 2,98,456-

(b) 13,705-
