St. Andrews Scots Sr. Sec. School

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Session: 2024 – 25 -Worksheet

Class: VI	Subject: Mathematics	Topic: Three-Dimensional Shapes	Worksheet - 21

Q1: Name any four objects from your environment which have the form of

(i) a cuboid (ii) a cube

Q2: Draw a diagram to represent a cube. Label its vertices as A, B, C, D, E, F, G and H. Now write the names of its faces and edges.

Q3: Fill in the blanks to make the following statements true:

(i) A cuboid has …… vertices.

(ii) A cuboid has …… edges

(iii) A cuboid has ……. Faces.

(iv) Two adjacent faces of a cuboid meet in a line segment called its …….

(v) Each edge of a cuboid can be obtained as a line segment in which two …… meet.

Q4: In each of the following, state if the statement is true (T) or false (F):

(i) Number of faces in a cuboid and the number of faces in a cube are equal.

(ii) A cube has twelve vertices.

Q5: What is the shape of:

(i) your instrument box   (ii) a brick   (iii) a matchbox

(iv) a rod-roller   (v) a sweet laddoo

Q6: A gas pipe is an example of a

(a) cone (b) a cylinder (c) cube (d) sphere

Q7: The number of faces of a triangular pyramid is

    (a) 3 (b) 4 (c) 6 (d) 8

Q8: A tetrahedron is a pyramid whose base is a

    (a) triangle (b) square (c) rectangle (d) quadrilateral

Q9: Which solid has the greatest number of faces?

    (a) Cone (b) Cylinde (c) Triangular Prism (d) Cube

Q10: Draw the following shapes and write their faces, edges and vetices.

    (a) Cone

    (b) Cylinder

    (c) Sphere

    (d) Triangular Prism

    (e) Square Pyramid