EXERCISE

- Q.1 Find the number of faces do the following solids have : (i) Regular octahedron (ii) Hexagonal pyramid
- Q.2 Find the number of vertices the following solids have : (i) Pentagonal pyramid (ii) Hexagonal prism
- How many edges does each of the following Q.3 solids have ? (i) Cone (ii) Octagonal prism
- Fill the following table and verify Euler's Q.4 Formula :



- If a polyhedron has six faces and eight Q.5 vertices, how many edges does it have ?
- Q.6 How many faces a polyhedron will have if it has sixteen vertices and four edges.
- **Q.7** Which among the following are nets for a cube :





Q.8 Dice are cubes where the sum of number on opposite sides must be 8. Which of the following are dice?





Q.9 Match the following :



ANSWER KEY

1. (i) 8 and (ii) 7 7. (i), (ii) and (iii)

2. (i) 6 and (ii) 12 **8.** (i)

5.12 3. (i) 1, (ii) 24 **9.** (a) : (iv), (b) : (i), (c) : (ii) and (d) : (iii)

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