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**MM 20**

**Time 45 min**

**1 Mark Each**

1. Find the area of a rectangle of dimensions 12cm and 16cm.
- 2.
3. Define regular polyhedrons.
4. A sphere has \_\_\_ faces, \_\_\_ edges and \_\_\_ vertices.
5. Write Euler's formula.

**2 Marks Each**

6. Verify Euler's formula for a cuboid.
7. Can a polyhedron have 12 faces, 20 edges and 15 vertices?
8. Identify top view, front view and side view.

**3 Marks Each**

9. How is a cube same as a square prism.

**6 Marks Each**

10. Draw a map giving instructions to your friend so that she reaches your house without any difficulty.

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