

Test

Class-10

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- Que-1 How Many Spherical bullets each of 5 cm in diameter can be cast from a rectangular block of metal $11 \text{ dm} \times 1 \text{ m} \times 5 \text{ dm}$?
- Que-2 2.2 cubic dm of brass is to be drawn into a cylindrical wire 0.25 cm in diameter. Find the length of the wire.
- Que-3 A cylindrical vessel having diameter equal to its height is full of water. Which is poured into two identical cylindrical vessels with diameter 42 cm and height 21 cm which are filled completely. Find the diameter of the cylindrical vessel.
- Que-4 50 circular plates each of diameter 14 cm and thickness 0.5 cm are placed one above the other to form a right circular cylinder. Find its total surface area.
- Que-5 25 circular plates, each of radius 10.5 cm and thickness 1.6 cm , are placed one above the other to form a solid circular cylinder. Find the curved surface area and the volume of the cylinder so formed.
- Que-6 A cylindrical bucket, 32 cm high and 18 cm of radius of the base, is filled with sand. This bucket is emptied on the ground and a conical heap of sand is formed. If

The height of the conical heap is 24 cm, find the radius and slant height of the heap.

Que. 7 A conical flask is full of water. The flask has base-radius r and height h . The water is poured into a cylindrical flask of base-radius m . Find the height of water in the cylindrical flask.