ZiloAcademy

✨ Grade 10 Maths — Composite Solids ✨

Name: Demo **Date:** 26/11/2026

1. A solid is a square prism (base 9 cm, height 7 cm) with a square pyramid (height 6 cm) on top. Find the total volume (cm³).

2. A silo is a cylinder (radius 3 m, height 9 m) with a hemisphere on top. Find its volume, to 1 decimal place (m³).

3. A solid is a square prism (base 7 cm, height 5 cm) with a square pyramid (height 6 cm) on top. Find the total volume (cm³).

4. A solid is a square prism (base 3 cm, height 8 cm) with a square pyramid (height 15 cm) on top. Find the total volume (cm³).

5. A silo is a cylinder (radius 3 m, height 11 m) with a hemisphere on top. Find its volume, to 1 decimal place (m³).

6. A solid is a square prism (base 7 cm, height 6 cm) with a square pyramid (height 3 cm) on top. Find the total volume (cm³).

7. A solid is a square prism (base 9 cm, height 10 cm) with a square pyramid (height 6 cm) on top. Find the total volume (cm^3).

8. A cube of side 20 cm has a cylindrical hole of radius 1 cm drilled straight through it. Find the remaining volume, to 1 decimal place (cm^3).

9. A solid is a square prism (base 3 cm, height 4 cm) with a square pyramid (height 3 cm) on top. Find the total volume (cm^3).

10. A cube of side 19 cm has a cylindrical hole of radius 6 cm drilled straight through it. Find the remaining volume, to 1 decimal place (cm^3).