**Mensuration Formula for 3D Shapes**

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| s.no | **3 Dimensional shapes** | **Formula** |
| 1 | If **a** is the length of one side of a cube, what is the **volume** of the **cube**. |  |
| **2** | If **a** is the length of one side of a cube, what is the **curved surface area / lateral surface area** of the **cube**. |  |
| **3** | If **a** is the length of one side of a cube, what is the **total surface area** of the **cube**. |  |
| **4** | If **l** is the length**, w** is the width and **h** is the heightwhat is the **volume** of the **cuboids**. |  |
| **5** | If **l** is the length**, w** is the width and **h** is the heightwhat is the **curved surface area /** **lateral surface area** of the **cuboids**. |  |
| s.no | **3 Dimensional shapes** | **Formula** |
| **6** | If **l** is the length**, w** is the width and **h** is the heightwhat is the **total surface area** of the **cuboids**. |  |
| **7** | If **r** is the radius and h is the height what is the **volume** of the **cyclinder**. |  |
| **8** | If **r** is the radius and h is the height what is the **curved surface area /** **lateral surface area** of the **cyclinder**. |  |
| **9** | If **r** is the radius and h is the height what is the **total surface area** of the **cyclinder**. |  |
| **10** | If **r** is the radius and h is the height what is the **volume** of the **cone**. |  |
| s.no | **3 Dimensional shapes** | **Formula** |
| **11** | If **r** is the radius and h is the height what is the **curved surface area /** **lateral surface area** of the **cone**. |  |
| **12** | If **r** is the radius and h is the height what is the **total surface area** of the **cone**. |  |
| **13** | If **r** is the radius what is the **volume** of the **Sphere**. |  |
| **14** | If **r** is the radius what is the **curved surface area /** **lateral surface area** of the **Sphere.** |  |
| **15** | If **r** is the radius what is the **total surface area** of the **Sphere**. |  |
| **16** | If **r** is the radius what is the **volume** of the **hemisphere**. |  |
| **s.no** | **3 Dimensional shapes** | **Formula** |
| **17** | If **r** is the radius what is the **curved surface area /** **lateral surface area** of the **hemisphere.** |  |
| **18** | If **r** is the radius what is the **total surface area** of the **hemisphere.** |  |