Fill In The Blanks…

**Volume and Surface Area of Cones**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Radius** $r$ | **Vertical Height** $h$ | **Slanted Height** $l$ | **Volume** **in terms of** $π$ | **Volume to 3 s.f.** | **Curved Surface Area in terms of** $π$ | **Total Surface Area** **in terms of** $π$ | **Volume : Total Surface Area** |
| $$5 cm$$ | $$12 cm$$ | $$13 cm$$ | $$100π cm^{3}$$ |  |  | $$90π cm^{2}$$ | $$10 :9$$ |
| $$6 cm$$ | $$8 cm$$ | $$10 cm$$ |  |  | $$60π cm^{2}$$ |  |  |
|  | $$30 mm$$ | $$34 mm$$ |  | $$8040 mm^{3}$$ |  |  |  |
| $$0.7 m$$ | $$2.4 m$$ |  |  |  |  |  |  |
| $$9 cm$$ |  | $$15 cm$$ |  |  |  |  |  |
| $$2 m$$ |  |  | $$\frac{14}{5}π cm^{3}$$ |  |  |  |  |
|  |  | $$20 mm$$ |  |  | $$240π mm^{2}$$ |  |  |
|  |  |  |  |  | $$15π cm^{2}$$ | $$24π cm^{2}$$ |  |
|  |  | $$17 cm$$ | $$320π cm^{3}$$ |  |  |  | $$8 :5$$ |