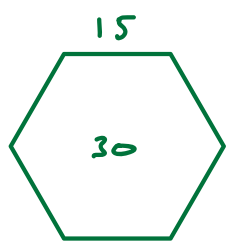


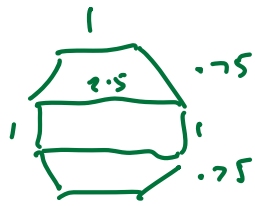
Volume of Models

Number	Name	Volume	
1 and 12	Cone	$\sqrt{7.9^2 - 2.5^2} = 7.5$ $\frac{1}{3}\pi r^2 h = \frac{1}{3} \times \pi \times 25^2 \times 7.5$ $= 49087$	49,100 mm ³
2 and 17	Hemisphere	$\frac{2}{3}\pi \times 25^3$ $= 32724$	32,700 mm ³
3	Sq Based Pyramid		
4	Fat Cylinder	$\pi \times 25^2 \times 50 = 98174$	98,200 mm ³
5 and 14	Thin Cylinder	$\pi \times 13^2 \times 75$ $= 39826$	39,800 mm ³
6 and 10	Octagonal Prism		38,400 mm ³
7 and 9	Cuboid	$75 \times 25 \times 25$ $= 46875$	46,900 mm ³
8 and 11	Hexagonal Prism		43900 mm ³
13	Triangular Based Pyramid		
15 and 16	Triangular Prism	$\frac{25 \times 25}{2} \times 75$ $= 19688$	19,700 mm ³



$$\frac{1}{2} (15 + 30) \times 13 \times 2 \times 75$$

$$= 43875$$



$$\left(\begin{array}{l} 25 \times 10 \\ + 35 \times 75 \\ \times 75 \end{array} \right) = 38437$$