

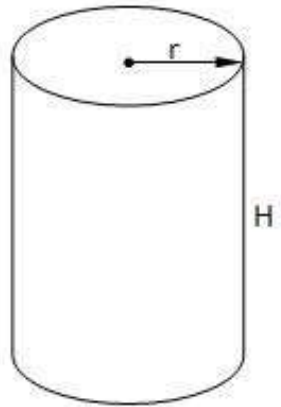
Valjak: „8 Shenton Way“ zgrada

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- „8 Shenton Way“ (ili „Axa Tower“) je poslovna zgrada koja se nalazi u Singapuru i koja je sa svojih 234,7 m visine, najviša zgrada na svetu u obliku valjka. Izgradjena je 1986 godine, ima 52 sprata i 22 ugradjena lifta. Kada je izgrađena, koristila se kao zgrada singapurskog ministarstva finansija da bi danas bila sedište različitih kompanija.



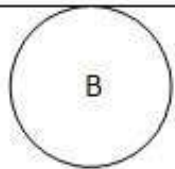
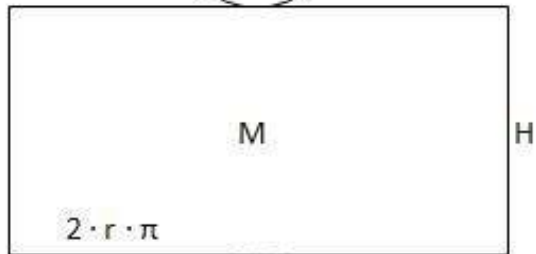
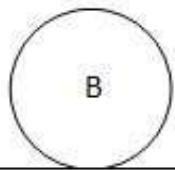
- Visina zgrade = 234,7 m
- Procenjeni precnik osnove zgrade = 47 m



$$P = 2 \cdot B + M = 2 \cdot r^2 \cdot \pi + 2 \cdot r \cdot \pi \cdot H$$

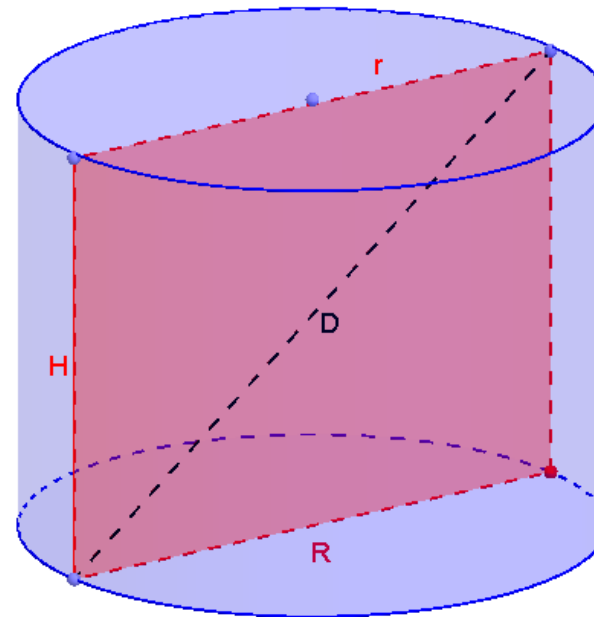
$$P = 2 \cdot r \cdot \pi \cdot (r + H)$$

$$V = B \cdot H = r^2 \cdot \pi \cdot H$$



$$B = r^2 \cdot \pi$$

$$M = 2 \cdot r \cdot \pi \cdot H$$



$$R = 47\text{m} \quad r = \frac{47\text{m}}{2} = 23,5\text{m} \quad H = 234,7\text{m}$$

$$B = r^2 \pi = (23,5\text{m})^2 \pi = 552,25\text{m}^2 \cdot 3,14 = 1734,065\text{m}^2$$

$$M = 2r \pi \cdot H = 2 \cdot 23,5\text{m} \cdot 3,14 \cdot 234,7\text{m} = 34\ 637,026\text{m}^2$$

$$P = 2B + M = 2 \cdot 1734,065\text{m}^2 + 34\ 637,026\text{m}^2 = 38\ 105,156\text{m}^2$$

$$V = B \cdot H = 1734,065\text{m}^2 \cdot 234,7\text{m} = 406\ 985,056\text{m}^3$$

Površina zgrade
8 Shenton Way
je oko 38105 m²



Zapremina zgrade
8 Shenton Way je
oko 985 m³

