

Ayo Berlatih Bola

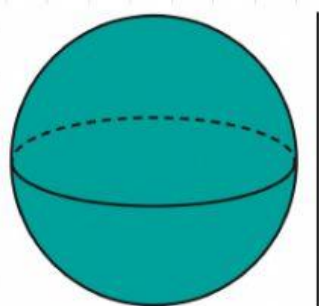
Nama:

Kelas:

Luas Permukaan

$$L = 4\pi r^2$$

Hitung luas bola.



10 cm

$$d = 10 \text{ cm}$$

$$r = \frac{1}{2} d$$

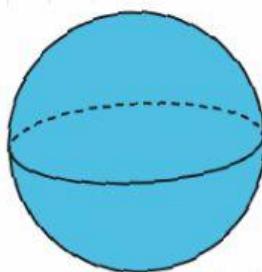
$$r = 5 \text{ cm}$$

$$L = 4\pi r^2$$
$$= 4 \cdot 3,14 \cdot 5^2$$

$$L = \dots$$

Jadi, luas bola di atas adalah ... cm^2 .

Hitung jari-jari bola.



$$L = 484\pi \text{ m}^2$$

$$L = 484\pi$$

$$4\pi r^2 = 484\pi$$

$$4r^2 = 484$$

$$r^2 = \dots$$

$$r^2 = \dots$$

$$r = \dots$$

Jadi, jari-jari bola di atas adalah ... m.

Ayo Berlatih

Bola

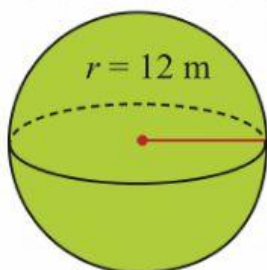
Volume

$$V = \frac{4}{3} \pi r^3$$

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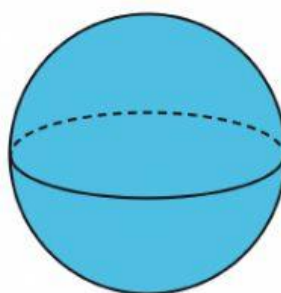
Hitung jari-jari bola.

Hitung volume bola



$$\begin{aligned} V &= \frac{4}{3} \pi r^3 \\ &= \frac{4}{3} \times 3,14 \times \dots^3 \\ &= \dots \end{aligned}$$

Jadi, volume bola
di atas adalah
 $\dots \text{ m}^3$.



$$V = 288 \pi \text{ m}^3$$

$$\begin{aligned} V &= 288 \pi \\ \frac{4}{3} \pi r^3 &= 288 \pi \\ \frac{4}{3} r^3 &= 288 \\ r^3 &= \frac{\dots}{\dots} \\ r^3 &= \dots \\ r &= \dots \end{aligned}$$

Jadi, jari-jari bola di atas
adalah $\dots \text{ m}$.

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