

Exercices: 9 à 11 p 111

$$\begin{array}{ll} 20 \times 4 & 80 \\ 4 \times 4 & 16 \\ 24 \times 10 \times 2 & 480 \end{array}$$

$$\begin{array}{ll} 25 \times 5 & 125 \\ 25 \times 10 \times 2 & 500 \end{array}$$

⑨

$$A_{\text{sphere}} = 4\pi R^2$$

$$A_s(14) = 4\pi \cdot 196 \quad \left. \begin{array}{l} \\ \\ \end{array} \right\} 29 \cdot 4\pi$$

$$A_s(15) = 4\pi \cdot 225$$

$$A_s(24) = 4\pi \cdot 576 \quad \left. \begin{array}{l} \\ \\ \end{array} \right\} 49 \cdot 4\pi$$

$$A_s(25) = 4\pi \cdot 625$$

⑩

$$A_s = 256\pi$$

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

→

$$256\pi = 4\pi r^2$$

$$\Leftrightarrow r^2 = \frac{2^8}{2^2} = 2^6 = 64$$

$$\Leftrightarrow r = \sqrt[2]{64} = 8$$

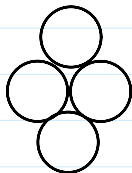
$$D = r \times 2 = 16 \text{ m}$$

$$\begin{array}{cccccccccc} 0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 \\ 1 & 2 & 4 & 8 & 16 & 32 & 64 & 128 & 256 \end{array}$$

$$\begin{array}{ccccccc} 512 & 1024 & 2048 & 4096 \end{array}$$

$$\begin{array}{cccccccccc} 1 & 4 & 9 & 16 & 25 & 36 & 49 & 64 & 81 \\ 100 & 121 & 144 & 169 & 196 & 225 \end{array}$$

⑪ schéma:



$$\begin{aligned} 4 \times S_s &= (4r)^2 \pi = 8^2 \pi = 64\pi ; 4 \times V_s = 4 \times \frac{4}{3} \pi r^3 = \frac{4^2}{3} \pi r^3 \\ &= 4 \times 4\pi r^2 = (4 \times 2)^2 \pi \\ &= 4^2 2^2 \pi \\ &= (4r)^2 \pi \end{aligned}$$

