

A]

$$\text{échelle} = \frac{24 \text{ cm}}{364 \text{ m}} = \frac{24 \text{ cm}}{36\,400 \text{ cm}} = \frac{24}{36\,400} = \frac{24 \div 8}{36\,400 \div 8} = \frac{3}{4\,550}$$

B] $8,5 \times 2\,500\,000 = 21\,250\,000 \text{ cm} = 212,5 \text{ km}$

La distance entre ces deux villes est de 212,5 km.

C]1) $A_{MNOP} = b \times h = 6 \times 10 = 60 \text{ cm}^2$

2) $A_{\text{carré}} = c \times c = 5 \times 5 = 25 \text{ cm}^2$

$$R = 8 \div 2 = 4 \text{ cm}$$

$$A_{\text{disque}} = R \times R \times \pi = 4 \times 4 \times \pi = 16\pi \text{ cm}^2$$

$$A_{\text{figure grise}} = 16\pi - 25 \text{ cm}^2$$

$$\approx 16 \times 3,14 - 25$$

$$\approx 50,24 - 25$$

$$\approx 25,24 \text{ cm}^2$$

A]

$$\text{échelle} = \frac{32 \text{ cm}}{316 \text{ m}} = \frac{32 \text{ cm}}{31\,600 \text{ cm}} = \frac{32}{31\,600} = \frac{32 \div 16}{31\,600 \div 16} = \frac{2}{1\,975}$$

B] $7,5 \times 2\,500\,000 = 18\,750\,000 \text{ cm} = 187,5 \text{ km}$ La distance entre ces deux villes est de 187,5 km.

C]1) $A_{FGHE} = b \times h = 6,5 \times 8 = 52 \text{ cm}^2$

2) $A_{\text{carré}} = c \times c = 5 \times 5 = 25 \text{ cm}^2$

$$R = 8 \div 2 = 4 \text{ cm}$$

$$A_{\text{disque}} = R \times R \times \pi = 4 \times 4 \times \pi = 16\pi \text{ cm}^2$$

$$A_{\text{figure grise}} = 16\pi - 25 \text{ cm}^2$$

$$\approx 16 \times 3,14 - 25$$

$$\approx 50,24 - 25$$

$$\approx 25,24 \text{ cm}^2$$