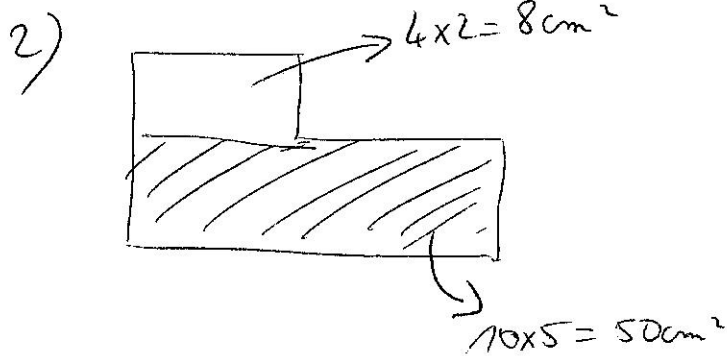


Exercice 5.

$$\begin{aligned}
 & 1) AB + BC + CD + DE + EF + FA \\
 & = 4 + 2 + 6 + 5 + 10 + 7 \\
 & = 34 \text{ cm.}
 \end{aligned}$$



$$\text{Aire totale} = 58 \text{ cm}^2.$$

Exercice 6.

$$\begin{aligned}
 1) \bullet \text{ Aire rectangle} &= L \times P \\
 &= 120 \times 50 \\
 &= 6000 \text{ m}^2
 \end{aligned}$$

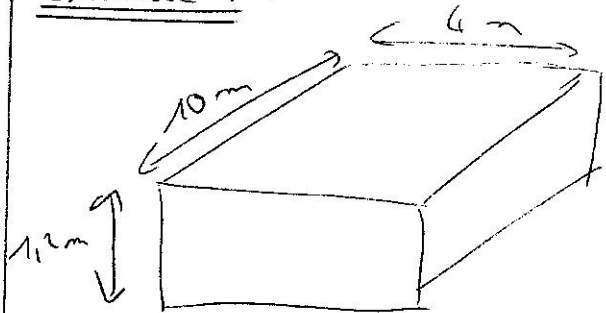
$$\begin{aligned}
 \bullet \text{ Aire demi disque} &= \pi \times R \times R \div 2 \\
 &= \pi \times 25 \times 25 \div 2 \\
 &= 312,5\pi \\
 &\approx 981,7.
 \end{aligned}$$

$$\begin{aligned}
 \text{Aire totale} &= A_{\text{rectangle}} + 2 \times A_{\text{demi disque}} \\
 &\approx 7963,5 \text{ m}^2.
 \end{aligned}$$

$$\begin{aligned}
 2) P_{\text{demi disque}} &= \pi \times 2 \times R \div 2 \\
 &= \pi \times 2 \times 25 \div 2 \\
 &= 25\pi \\
 &\approx 78,540
 \end{aligned}$$

$$\begin{aligned}
 P_{\text{total}} &= 2 \times P_{\text{demi disque}} + 120 + 120 \\
 &= 397,080 \text{ m.}
 \end{aligned}$$

Exercice 7.



La piscine.

- Il y a 5 faces à peindre.

$$\left. \begin{aligned}
 4 \times 1,2 &= 4,8 \text{ m}^2 \\
 4 \times 1,2 &= 4,8 \text{ m}^2 \\
 10 \times 1,2 &= 12 \text{ m}^2 \\
 10 \times 1,2 &= 12 \text{ m}^2
 \end{aligned} \right\} \text{ les 4 cotés.}$$

$$4 \times 10 = 40 \text{ m}^2 \rightarrow \text{le fond.}$$

$$\begin{aligned}
 \bullet \text{ Surface totale à peindre} \\
 &= 4,8 + 4,8 + 12 + 12 + 40 \\
 &= 73,6 \text{ m}^2.
 \end{aligned}$$

$$\bullet 1 \text{ pot} \rightarrow 3 \text{ L} \rightarrow 18 \text{ m}^2$$

quantité de pots	1	?	$73,6 \times 1 = 18$
surface (en m^2)	18	73,6	$\approx 4,08.$

Il faut donc 5 pots de peinture.

$$\begin{aligned}
 5 \times 69,99 &= 349,95 \text{ €} \\
 \text{Le coût total sera de } &\underline{\underline{349,95 \text{ €}}}
 \end{aligned}$$