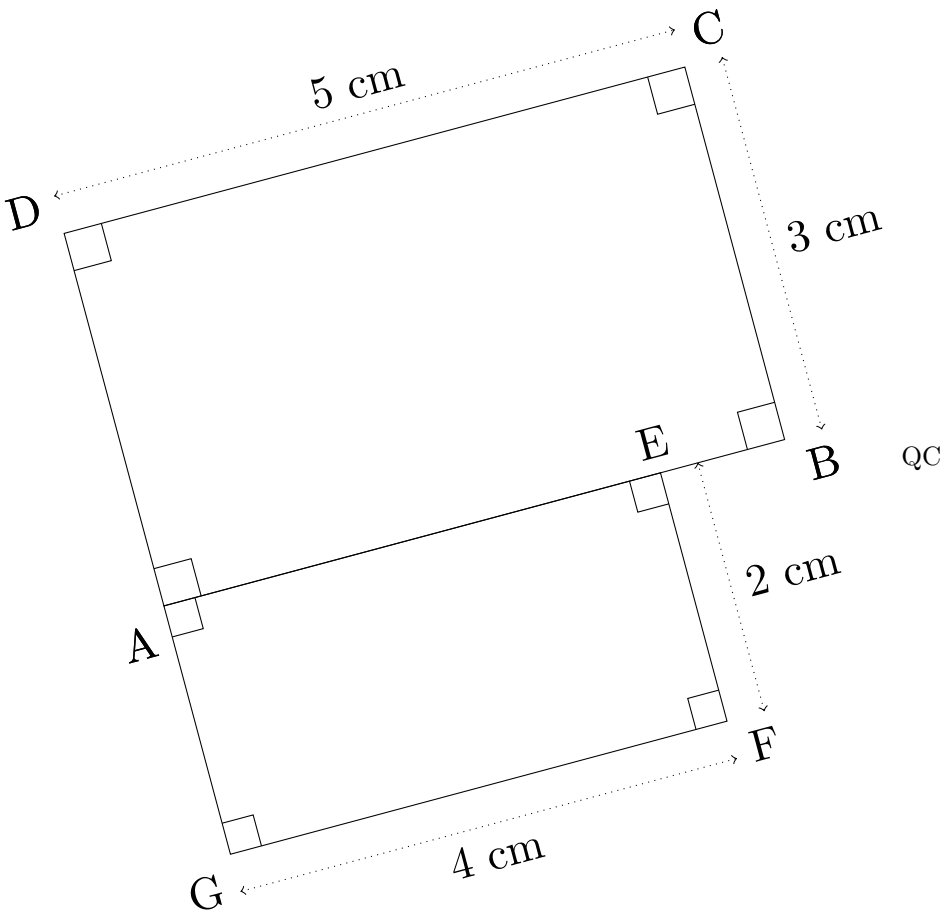

$$\begin{aligned}\text{Perimeter of rectangle ABCD} &= 2 * (\text{l} + \text{w}) \\ &= 2 * (5\text{cm} + 3\text{cm}) \\ &= 16\text{cm}\end{aligned}$$

$$\begin{aligned}\text{Perimeter of rectangle GFEA} &= 2 * (\text{l} + \text{w}) \\ &= 2 * (4\text{cm} + 2\text{cm}) \\ &= 12\text{cm}\end{aligned}$$

$$\begin{aligned}\text{Total Perimeter} &= \overline{AD} + \overline{DC} + \overline{CB} + \overline{BE} + \overline{EF} + \overline{FG} + \overline{GA} \\ &= 3\text{cm} + 5\text{cm} + 3\text{cm} + 1\text{cm} + 2\text{cm} + 4\text{cm} + 2\text{cm} \\ &= 20\text{cm}\end{aligned}$$

$$\begin{aligned}\text{Area of rectangle ABCD} &= \text{lw} \\ &= 5\text{cm} \times 3\text{cm} \\ &= 15\text{cm}^2\end{aligned}$$

$$\begin{aligned}\text{Area of rectangle GFEA} &= \text{lw} \\ &= 4\text{cm} \times 2\text{cm} \\ &= 8\text{cm}^2\end{aligned}$$

$$\begin{aligned}\text{Total Area} &= \text{Area ABCD} + \text{Area GFEA} \\ &= 15\text{cm}^2 + 8\text{cm}^2 \\ &= 23\text{cm}^2\end{aligned}$$