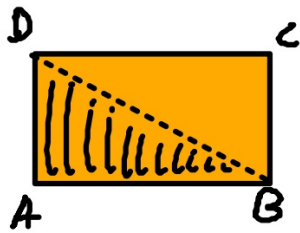


$$BD = \sqrt{AB^2 + AD^2}$$

$$AB = \sqrt{BD^2 - AD^2}$$

$$AD = \sqrt{BD^2 - AB^2}$$



$$BD = \frac{5}{3} AD$$

$$AD + BD = 64 \text{ cm}$$

P	RETTANGOLO
A	RETTANGOLO

$$U = (AD + BD) : 8 = 64 : 8 = 8 \text{ cm}$$

$$AD = U \cdot 3 = 8 \cdot 3 = 24 \text{ cm}$$

$$BD = U \cdot 5 = 8 \cdot 5 = 40 \text{ cm}$$

$$AB = \sqrt{BD^2 - AD^2} = \sqrt{40^2 - 24^2} =$$

$$= \sqrt{1600 - 576} = \sqrt{1024} = 32 \text{ cm}$$

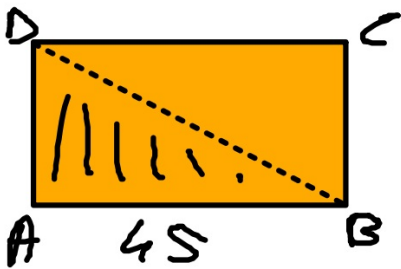
$$P = (AB + BC) \cdot 2 = (32 + 24) \cdot 2 = 56 \cdot 2 = 112 \text{ cm}$$

$$A = AB \cdot AD = 32 \cdot 24 = 768 \text{ cm}^2$$

$$BD : AD = 5 : 3$$

$$64 : BD = 8 : 5$$

$$BD = \frac{64 \cdot 5}{8} = 40$$



$$\begin{array}{l} A = 1260 \text{ cm}^2 \\ AB = 45 \text{ cm} \end{array} \left| \begin{array}{l} \\ \\ \end{array} \right. BD$$

$$AD = A : AB = \frac{1260}{45} = 28 \text{ cm}$$

$$BD = \sqrt{AD^2 + AB^2} = \sqrt{28^2 + 45^2} = \sqrt{784 + 2025} = \sqrt{2809} = 53 \text{ cm}$$