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Cool! I'am really happy

#Markus Jensen



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My friends are so mad that they do not know how I have all the high quality ebook which they do not!

#Diego Butler



so many fake sites. this is the first one which worked! Many thanks

$$\begin{aligned}\Rightarrow ML &= LB = \left(\frac{1}{2} \times MB\right) \\ &= \left(\frac{1}{2} \times 10\right) \text{ cm} \\ &= 5 \text{ cm}\end{aligned}$$

From right $\triangle CLM$, we have:

$$CL^2 = (CM^2 - ML^2) \text{ cm}^2$$

$$\Rightarrow CL^2 = \{(13)^2 - (5)^2\} \text{ cm}^2$$

$$\Rightarrow CL^2 = (109 - 25) \text{ cm}^2$$

$$\Rightarrow CL^2 = 144 \text{ cm}^2$$

$$\Rightarrow CL = \sqrt{144} \text{ cm}$$

$$\Rightarrow CL = 12 \text{ cm}$$

\therefore Length of $CL = 12 \text{ cm}$

$$\text{Area of the trapezium} = \left\{\frac{1}{2} \times (AB + DC) \times CL\right\}$$

$$= \left\{\frac{1}{2} \times (20 + 10) \times 12\right\} \text{ cm}^2$$

$$= \left\{\frac{1}{2} \times 30 \times 12\right\} \text{ cm}^2$$

$$= (15 \times 12) \text{ cm}^2$$

$$= 180 \text{ cm}^2$$

Hence, the area of the trapezium is 180 cm^2 .

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