

#Jenny



Finally I get this ebook, thanks for all these I can get now!

#Rio



Cool! I'am really happy

#Markus Jensen



I did not think that this would work, my best friend showed me this website, and it does! I get my most wanted eBook

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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

Correct option: (c)

In right $\triangle ACD$,
By Pythagoras theorem,

$$\begin{aligned}AD^2 &= AC^2 + CD^2 \\ \Rightarrow AC^2 &= AD^2 - CD^2 \\ \Rightarrow AC^2 &= 17^2 - 8^2 \\ \Rightarrow AC^2 &= 289 - 64 \\ \Rightarrow AC^2 &= 225 \\ \Rightarrow AC &= 15 \text{ cm}\end{aligned}$$

In right $\triangle ABC$,
By Pythagoras theorem,

$$\begin{aligned}AC^2 &= AB^2 + BC^2 \\ \Rightarrow BC^2 &= AC^2 - AB^2 \\ \Rightarrow BC^2 &= 15^2 - 9^2 \\ \Rightarrow BC^2 &= 225 - 81 \\ \Rightarrow BC^2 &= 144 \\ \Rightarrow BC &= 12 \text{ cm}\end{aligned}$$

$$\begin{aligned}\text{ar}(\text{quad. } ABCD) &= \text{ar}(\triangle ABC) + \text{ar}(\triangle ACD) \\ &= \left(\frac{1}{2} \times AB \times BC\right) + \left(\frac{1}{2} \times AC \times CD\right) \\ &= \left(\frac{1}{2} \times 9 \times 12\right) + \left(\frac{1}{2} \times 15 \times 8\right) \\ &= 54 + 60 \\ &= 114 \text{ cm}^2\end{aligned}$$

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