

#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

#Hun Tsu



wtf this great ebook for free?!

#Che Salsa



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,

$$AD^2 = AC^2 + CD^2$$

$$\Rightarrow AC^2 = AD^2 - CD^2$$

$$\Rightarrow AC^2 = 17^2 - 8^2$$

$$\Rightarrow AC^2 = 289 - 64$$

$$\Rightarrow AC^2 = 225$$

$$\Rightarrow AC = 15 \text{ cm}$$

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

$$AC^2 = AB^2 + BC^2$$

$$\Rightarrow BC^2 = AC^2 - AB^2$$

$$\Rightarrow BC^2 = 15^2 - 9^2$$

$$\Rightarrow BC^2 = 225 - 81$$

$$\Rightarrow BC^2 = 144$$

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

$$\text{ar}(\text{quad. } ABCD) = \text{ar}(\triangle ABC) + \text{ar}(\triangle ACD)$$

$$= \left(\frac{1}{2} \times AB \times BC\right) + \left(\frac{1}{2} \times AC \times CD\right)$$

$$= \left(\frac{1}{2} \times 9 \times 12\right) + \left(\frac{1}{2} \times 15 \times 8\right)$$

$$= 54 + 60$$

$$= 114 \text{ cm}^2$$

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