

$\sqrt{36+64+5^2}+\sqrt{20}=?$

- ☐ $19+\sqrt{20}$
- ☐ $19\sqrt{20}$
- ☐ $\sqrt{145}$
- ☐ $5\sqrt{100}+\sqrt{20}$
- ☐ $7\sqrt{5}$

How did they get from this.

To this

$\sqrt{36+64+5^2}+\sqrt{20}=\sqrt{125}+\sqrt{20}=\sqrt{25*5}+\sqrt{4*5}=5\sqrt{5}+2\sqrt{5}=7\sqrt{5}$.

The correct answer is E.

I need this sort of thing explained to me because I have forgotten some of the priciples of math and simplifying.