

Answer on Question #38668-Chemistry-Other

Question

A piece of copper wire is 150 cm long.

How long is the wire in millimeters?

How many 50 mm segments of wire can be cut from the length?

Answer

$1 \text{ cm} = 10 \text{ mm}$. That is why $150 \text{ cm} = 150 \cdot 10 = \mathbf{1500 \text{ mm}}$.

The number of 50 mm segments that can be cut from the wire is $1500 / 50 = \mathbf{30 \text{ segments}}$.