

### 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 cm = 10 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  $1500 / 50 = \mathbf{30 \text{ segments}}$ .