

Topic: Math

EG/Obj: when converting millimeters (mL) into liters (L), how do you know to multiply or divide by 1000?

Centimeter: cm	1m	10dm	100cm	1000mm ...
Mega Byte: MB	1m	1m ²		
Decaliter: dal	10dm	100dm ²		
Kilometer: km	100cm	10000 cm ²		
Decigram: dg	1000mm	1,000,000 mm ²		

$$\text{Area}^2 = L \times W$$

$$1m \cdot 1m = 1m^2$$

$$10dm \cdot 10dm = 100dm^2 \dots$$

$$1Tm = 1,000,000,000,000 m$$

$$1Gm = 1,000,000,000 m$$

$$1mm = 1,000,000 m$$

$$1km = 1,000 m$$

$$1hm = 100 m$$

$$1dam = 10 m$$

$$1m = 10dm$$

$$1m = 100cm$$

$$1m = 1000 mm$$

$$1m = 1,000,000 \mu m$$

$$1m = 1,000,000,000 nm$$