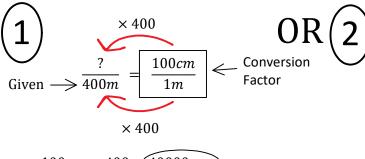
M10 - 1.1 - SI/Imperial Conversion Factors vs Equal Fractions Notes

How many centimeters around a 400m track?

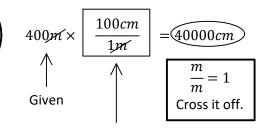


 $100cm \times 400 = 40000cm$

How many inches in 1m?

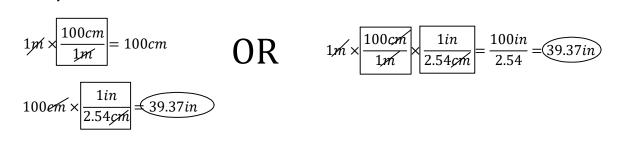
There are 40000 cm around a 400 m track.



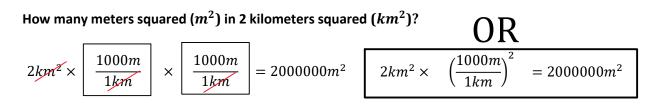


Conversion Factor

Notice: choose a conversion factor that allows you to cross off the units you're given to get the units you want.



Notice: sometimes we need to use two conversion factors to get from what we are given to get the units we want or all in one step.



$$km^2 = km \times km \times \frac{m}{km} \times \frac{m}{km} = m^2$$

Notice: in order to cross off km^2 we must multiply by the conversion factor 2 times.

How many centimeters cubed (cm^3) in 1 meter cubed (m^3)

