M 8-2.3-Conversions Notes/HW

How many Centimeters around a 400 M eter track?

$100 \mathrm{~cm} \times 400=40000 \mathrm{~cm}$

There are 40000 cm around a 400 m track.
$1 \mathrm{~cm}=10 \mathrm{~mm}$
$1 \mathrm{~m}=100 \mathrm{~cm}$
$1 \mathrm{in}=2.54 \mathrm{~cm}$
$1 \mathrm{~km}=1000 \mathrm{~m}$
$1 \mathrm{~min}=60 \mathrm{~s}$
$1 \mathrm{hr}=60 \mathrm{~min}$

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| :---: | :--- |
|  |  |
| $1 \mathrm{~cm}=10 \mathrm{~mm}$ | $1 \mathrm{in}=2.54 \mathrm{~cm}$ |
| $1 \mathrm{~m}=100 \mathrm{~cm}$ | $1 \mathrm{~m}=3.3 \mathrm{ft}$ |
| $1 \mathrm{~km}=1000 \mathrm{~m}$ | $1 \mathrm{ft}=30.48 \mathrm{~cm}$ |
|  | $1 y d=0.9144 \mathrm{~m}$ |
| $1 \mathrm{~min}=60 \mathrm{~s}$ | $1 \mathrm{mi}=1.609 \mathrm{~km}$ |
| $1 \mathrm{hr}=60 \mathrm{~min}$ |  |

Two Steps
How many Hours in 50000 Seconds?


1 min $\times 833.33=833.33 \mathrm{~min}$

There are 833.33 min in 50000 s .

$\times 13.88$
$1 h r \times 13.88=13.88 h r$

There are 13.88 hrs in 50,000 s

How many meters in 2400 km? How many centimetres in 7.6 m ? How many days in 500 hours?

How many kilometres in 800 m ? How many seconds in 400 minutes? How many inches in 8 cm ?

How many centimetres in 3.5 km ? How many days in 10,000 hours? How many inches in 3 m ?

