

Length



IMPORTANT!

$$1\text{cm} = 10\text{mm}$$

$$1\text{m} = 100\text{cm}$$

$$1\text{km} = 1000\text{m}$$

Tips:

To change cm to mm times by 10 (x10)

To change m into cm times by 100 (x100)

To change km into m times by 1000 (x1000)

Example:

$$5\text{cm} = 50\text{mm} \text{ (x10)}$$

$$8\text{m} = 800\text{cm} \text{ (x100)}$$

$$7\text{km} = 7000\text{m} \text{ (x1000)}$$



I've got a secret for you...

It's super easy to change your units of measurement...

Just add the zeros from the number you're multiplying by!!!!

Use your columns to help you with changing your units of measurement from:

- mm to cm (10s)
- cm to m (100s)
- m to km (1000s)

<u>T</u>	<u>H</u>	<u>H</u>	<u>T</u>	<u>U</u>

The coloured columns will show you where the point must go 😊

Example:

1. 345 mm = 34.5 cm

Your point goes after the
tens column 😊

<u>Th</u>	<u>H</u>	<u>T</u>	<u>U</u>
	3	4	5

2. 1 254 cm = 12.54 m

Your point goes after the
hundreds column 😊

<u>Th</u>	<u>H</u>	<u>T</u>	<u>U</u>
1	2	5	4

3. 3 287 m = 3.287 km

Your point goes after the
thousands column 😊

<u>Th</u>	<u>H</u>	<u>T</u>	<u>U</u>
3	2	8	7

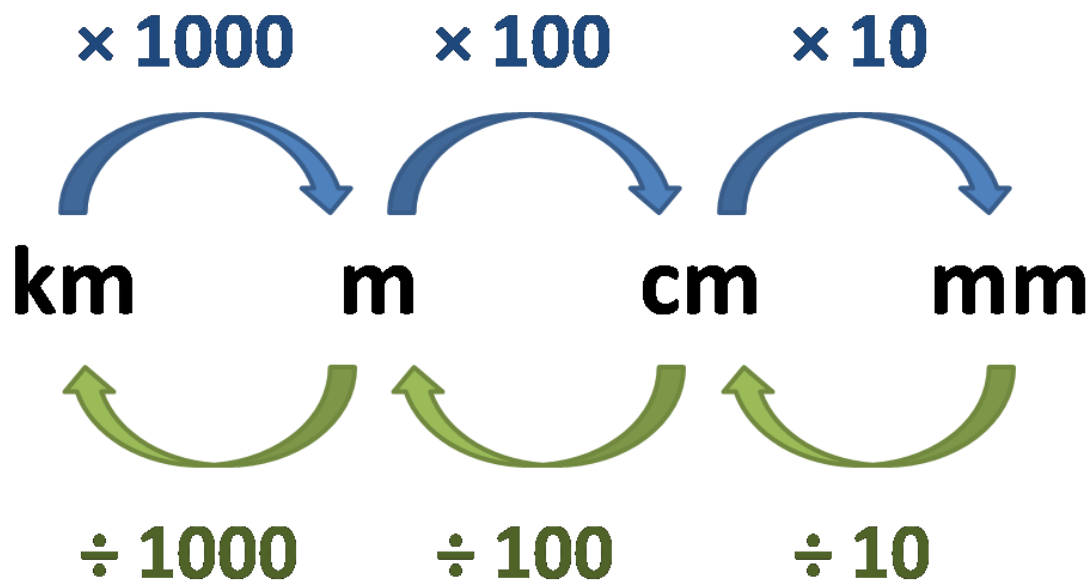
Some extra help for your activity



$$\frac{1}{2} \text{ m} = 500 \text{ cm}$$

$$\frac{1}{2} \text{ km} = 500 \text{ m}$$

$$- . 5 \text{ means } \frac{1}{2}$$



04/05/2020

Unit 3 Length

Length conversions practice worksheet

Question 1:

Convert the following (remember to times by 10, 100 or 1 000).

- | | | |
|----------------|---------------------------|---------------------------|
| a. 4 km to m | b. 5 m to cm | c. 6 m to cm |
| d. 8 cm to mm | e. 10 km to m | f. 12 m to cm |
| g. 15 m to cm | h. 25 cm to mm | i. 49 km to m |
| j. 65 m to cm | k. $1\frac{1}{2}$ m to cm | l. $3\frac{1}{2}$ km to m |
| m. 2,5 m to cm | n. 4,5 cm to mm | o. $7\frac{1}{2}$ m to cm |

Question 2:

Convert the following (use the columns to help you).

- | | | |
|------------------|------------------|------------------|
| a. 1 500 m to km | b. 250 cm to m | c. 85 mm to cm |
| d. 3 500 cm to m | e. 3 501 m to km | f. 321 cm to m |
| g. 4 250 cm to m | h. 678 mm to cm | i. 999 cm to m |
| j. 9 999 m to km | k. 865 mm to cm | l. 7 675 cm to m |

Question 3:

Fill in <, > or = in the place of the *:

- | | | |
|--------------------------------|--------------------------------|------------------------------|
| a. 2 km * 2 100 m | b. 3 500 m * $3\frac{1}{2}$ km | c. $7\frac{1}{2}$ m * 740 cm |
| d. 456 cm * 4.5 m | e. 2.5 m * 2 50 cm | f. 55 cm * $\frac{1}{2}$ m |
| g. $32\frac{1}{2}$ cm * 321 mm | h. 0.5 cm * 5 mm | i. 34.5 mm * 3,5 cm |