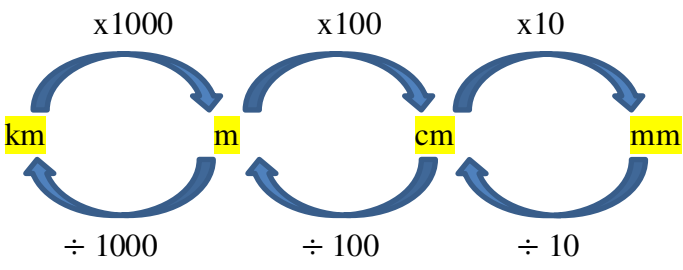


CONVERTING UNITS OF LENGTH

To convert one metric unit of length into another	
Metric system are :	
centimetre (cm) metre (m) kilometre (km)	
Converting One Metric Unit Into Another	
Larger to smaller unit → multiply	
	
divide ← smaller to larger unit	
<p>Example 1 : Convert</p> <p>a) 32cm into mm b) 1.35km into m</p> <p>solution: 32 cm solution:</p> <p>1.35km</p> <p>= 32 x 10mm = 1.35 x</p> <p>1000m</p> <p>= 320mm = 1350m</p> <p>c) 3.48m into mm</p> <p>solution: 3.48m</p> <p>= 3.48 x 100cmstep 1</p> <p>= 348 x 10mmstep 2</p> <p>= 3480 mm</p>	<p>Example 2 : Convert</p> <p>a) 54cm to m</p> <p>solution: 54cm</p> <p>= 54 ÷ 100cm</p> <p>= 0.54m</p> <p>b) 367mm to m</p> <p>solution: 367mm</p> <p>= 367 ÷ 10cm</p> <p>= 36.7 ÷ 100m</p> <p>= 0.367m</p>

1. Convert from larger to smaller unit indicated:

- a) 9cm = ____mm b) 563m = ____cm c) 3217km = ____m
- d) 179m = ____mm e) 5273km = ____cm f) 21km = ____mm

2. Convert from smaller to larger unit indicated:

- a) 30mm = ____cm b) 63cm = _____m c) 704m = ____km
d) 235cm = ____km e) 107mm = _____m f) 243mm = ____km

3. Work out the answers.

- a) I am 1.7m tall. My brother is 109cm tall. What is the difference in our height ?
- b) Which total length is longer, 8 pieces of timber each 1.2m long or 6 pieces of timber each 112cm long ?
- c) How many pieces of rope 40cm long can be cut from a length of rope 4.8m long ?