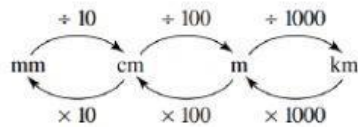


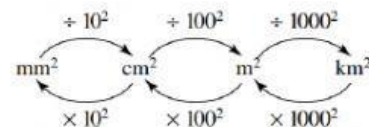
Converting metric units of area

The diagrams below show the rules for conversion of units for length and area

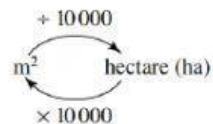
Conversions of units of **length**



Conversions for units of **area**



Note: 1 hectare (ha) = 10 000 m²



Example: convert 25 000 000 cm² into km²

Using the diagram for conversions for units of area, note that to convert from cm² to km² we first need to divide by 100² and then by 1000².

So: $25\,000\,000 \div 100^2 \div 1000^2 =$
 $25\,000\,000 \div 10\,000 \div 1\,000\,000 =$
 $25\,000\,000 \div 10\,000\,000\,000 = 0.0025 \text{ km}^2$ (we moved the decimal point 10 places to the left)

Convert the following:

- | | | | |
|----------------------------|-----------------|-----------------------------|-----------------|
| a. 7 cm ² = | mm ² | j. 0.003 m ² = | cm ² |
| b. 2.5 m ² = | cm ² | k. 5 km ² = | m ² |
| c. 2.4 m ² = | mm ² | l. 800 mm ² = | dm ² |
| d. 1.8 dm ² = | mm ² | m. 0.09 m ² = | mm ² |
| e. 9000 mm ² = | cm ² | n. 800 000 m ² = | hm ² |
| f. 90 cm ² = | m ² | o. 400 000 m ² = | km ² |
| g. 17000 cm ² = | dm ² | p. 40 hm ² = | m ² |
| h. 4000 dm ² = | m ² | q. 0.7 km ² = | m ² |
| i. 26 cm ² = | m ² | r. 8 ha = | km ² |