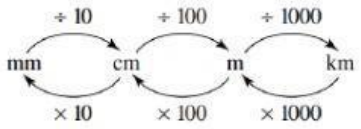
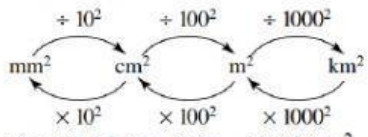
Converting metric units of area

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

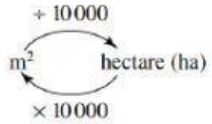
Conversions of units of **length**



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 100^2 and then by 1000^2.

So: 25 000 000 ÷ 100^2 ÷ 1000^2 =

25 000 000 ÷ 10 000 ÷ 1 000 000 =

25 000 000 ÷ 10 000 000 000 = 0.0025 km² (we moved the decimal point 10 places to the left)

Convert the following:

a. 7 cm² = mm²

b. 2.5 m² = cm²

c. 2.4 m² = mm²

d. 1.8 dm² = mm²

e. 9000 mm² = cm²

f. 90 cm² = m²

g. 17000 cm² = dm²

h. 4000 dm² = m²

i. 26 cm² = m²

j. 0.003 m² = cm²

k. 5 km² = m²

l. 800 mm² = dm²

m. 0.09 m² = mm²

n. 800 000 m² = hm²

o. 400 000 m² = km²

p. 40 hm² = m²

q. 0.7 km² = m²

r. 8 ha = km²

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