

Metric Units Length, Area and Volume

METRIC CONVERSION	ESTIMATE	ACTUAL
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Length

Millimetres to Centimetres How many mm are in ONE cm?	/	10 mm = 1 cm
Centimetres to Metres How many cm are in ONE m?	/	100 cm = 1 m

Area

Square mm to Square cm How many square mm are in a square cm?	100 10	<u>100</u> mm ² = 1 cm ²
Square cm to Square m How many square cm are in ONE square m?	100 1000 10000	<u>10000</u> cm ² = 1 m ²

Volume

Cubic mm to Cubic cm How many cubic mm are in ONE cubic cm?	10 100 <u>1000</u>	<u>1000</u> mm ³ = 1 cm ³
Cubic cm to Cubic m How many cubic cm are in ONE cubic m?	100 10000 1000000	<u>1000000</u> cm ³ = 1 m ³

Imperial Units Length, Area and Volume

IMPERIAL CONVERSION	ESTIMATE	ACTUAL
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Length

Inches to Feet How many inches are in ONE foot?	/	$12 \text{ in.} = 1 \text{ ft.}$
Feet to Yards How many feet are in ONE yard?	/	$3 \text{ ft.} = 1 \text{ yd.}$

Area

Square inch to Square foot How many square inches are in a square foot?	/	$12 \times 12 = 144 \text{ in}^2 = 1 \text{ ft}^2$
Square foot to Square yard How many square feet are in ONE square yard?	/	$3 \times 3 = 9 \text{ ft}^2 = 1 \text{ yd}^2$

Volume

Cubic inch to Cubic foot How many cubic inches are in ONE cubic foot?	/	$12 \times 12 \times 12 = 1728 \text{ in}^3 = 1 \text{ ft}^3$
Cubic foot to Cubic yard How many cubic feet are in ONE cubic yard?	/	$3 \times 3 \times 3 = 27 \text{ ft}^3 = 1 \text{ yd}^3$