

1972/186



**THE WEIGHTS AND MEASURES METRIC EQUIVALENTS
ORDER 1972**

—
ARTHUR PORRITT, Governor-General
ORDER IN COUNCIL

At the Government House at Wellington this 21st day of August 1972

Present:

HIS EXCELLENCY THE GOVERNOR-GENERAL IN COUNCIL

PURSUANT to subsection (3) of section 6 of the Weights and Measures Amendment Act 1933, His Excellency the Governor-General, acting by and with the advice and consent of the Executive Council, hereby makes the following order.

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ORDER

1. Title—This order may be cited as the Weights and Measures Metric Equivalents Order 1972.

2. Table of metric equivalents—The table of metric equivalents set out in the Schedule hereto shall be in substitution for the whole of the table set out in the Third Schedule to the Weights and Measures Act 1925, and in terms of subsection (3) of section 6 of the Weights and Measures Amendment Act 1933 the said Third Schedule is deemed to be repealed.

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SCHEDULE

TABLE OF METRIC EQUIVALENTS

1. Equivalents for the purpose of the Weights and Measures Act 1925 shall be:

Length—yard	=	0.914 4 metre exactly:
Mass—pound	=	0.453 592 37 kilogram exactly:
Volume (capacity)—gallon	=	4.546 09 litres.

2. Selected metric units derived from the metre and the kilogram are:

Measures of Length

Unit		Equivalent
Kilometre	km	1000 metres.
Metre	m	The metre is the length equal to 1 650 763.73 wavelengths in vacuum of the radiation corresponding to the transition between the levels $2p_{10}$ and $5d_5$ of the krypton—86 atom.
Decimetre	dm	$\frac{1}{10}$ metre.
Centimetre	cm	$\frac{1}{100}$ metre.
Millimetre	mm	$\frac{1}{1000}$ metre.

Measures of Area

Unit		Equivalent
Hectare	ha	10 000 square metres.
Are	a	100 square metres.
Square metre	m ²	An area equal to that of a square each side of which measures a metre.
Square centimetre	cm ²	$\frac{1}{10000}$ square metre.
Square millimetre	mm ²	$\frac{1}{1000000}$ square metre.

Measure of Volume (Cubic Content)

Unit		Equivalent
Cubic metre	m ³	A volume equal to that of a cube each edge of which measures one metre.
Cubic decimetre	dm ³	$\frac{1}{1000}$ cubic metre.
Cubic centimetre	cm ³	$\frac{1}{1000}$ cubic decimetre.
Cubic millimetre	mm ³	$\frac{1}{1000}$ cubic centimetre.

Measure of Capacity

Unit		Equivalent
Hectolitre	hl	100 litres.
Litre	l	$\frac{1}{1000}$ cubic metre.
Millilitre	ml	$\frac{1}{1000}$ litre.

Measure of Mass or Weight

Unit		Equivalent
Tonne	t	1000 kilograms.
Kilogram	kg	The kilogram is the unit of mass represented by the mass of the international prototype kilogram.
Gram	g	$\frac{1}{1000}$ kilogram.
Milligram	mg	$\frac{1}{1000}$ gram.
Carat (metric)		$\frac{1}{5}$ gram.

