

CONVERTING BETWEEN METRIC AND IMPERIAL UNITS

Refer to the following tables when converting numbers from metric to imperial units, or from imperial to metric units.

Converting from Metric to Imperial		
Metric	Imperial	Multiply by
Metres	Feet	3.28
Metres	Inches	39.37
Kilograms	Pounds	2.20
Kilograms	Tons	0.001
Metric tonnes	Tons	1.10

Converting from Imperial to Metric		
Imperial	Metric	Multiply by
Inches	Metres	0.025
Feet	Metres	0.30
Pounds	Kilograms	0.454
Tons	Kilograms	907.18
Tons	Metric tonnes	0.907

Converting Between Metric and Imperial Units

Example 1:

Convert 45 kilograms to pounds.

Refer to the table above. To convert from kilograms to pounds, multiply by 2.20.

$$45 \text{ kg} \times 2.20 = 99.00 \text{ lbs.}$$

Example 2:

Convert 1,250 inches to metres. Round off the answer to 2 decimal places.

Refer to the table above. To convert from inches to metres, multiply by 0.025.

$$1,250 \text{ in.} \times 0.025 = 31.25 \text{ m}$$

Example 3:

Convert 562 metres to feet. Round off the answer to 2 decimal places.

Refer to the table above. To convert metres to feet, multiply by 3.28.

$$562 \text{ m} \times 3.28 = 1843.36 \text{ ft.}$$

Example 4:

Convert 48 tons to metric tonnes. Round off the answer to 2 decimal places.

Refer to the table above. To convert tons to metric tonnes, multiply by 0.907.

$$48 \text{ tons} \times 0.907 = 43.54 \text{ metric tonnes}$$

Converting Between Metric and Imperial Units

Practice Questions:

1. Convert 260 feet to metres. Round off the answer to 2 decimal places.
2. Convert 30 metres to feet. Round off the answer to 2 decimal places.
3. Convert 1,800 pounds to kilograms. Round off the answer to 2 decimal places.
4. Convert 2,366 kilograms to pounds. Round off the answer to 2 decimal places.
5. Convert 244 metres to inches. Round off the answer to 2 decimal places.
6. Convert 769 kilograms to tons. Round off the answer to 2 decimal places.
7. Convert 2,415 tons to metric tonnes. Round off the answer to 2 decimal places.
8. Convert 6,542 inches to metres. Round off the answer to 2 decimal places.
9. Convert 1.26 tons to kilograms. Round off the answer to 2 decimal places.
10. Convert 8,612 pounds to kilograms. Round off the answer to 2 decimal places.
11. Convert 22 metres to feet. Round off the answer to 2 decimal places.
12. Convert 391 kilograms to tons. Round off the answer to 2 decimal places.
13. Convert 47 metres to inches. Round off the answer to 2 decimal places.
14. Convert 0.55 metric tonnes to tons. Round off the answer to 2 decimal places.
15. Convert 293 kilograms to pounds. Round off the answer to 2 decimal places.