

Metric Unit Conversion - Length

Example 1 : 23.5 cm = _____ mm

$$1 \text{ cm} = 10 \text{ mm}$$

$$23.5 \text{ cm} = 23.5 \times 10$$

$$= \mathbf{235 \text{ mm}}$$

Example 2 : 235 mm = _____ cm

$$10 \text{ mm} = 1 \text{ cm}$$

$$235 \text{ mm} = \frac{235}{10}$$

$$= \mathbf{23.5 \text{ cm}}$$

Convert the following centimeters (cm) to millimeters (mm).

1) 51.5 cm = _____ mm	2) 23.32 cm = _____ mm
3) 41 cm = _____ mm	4) 77 cm = _____ mm
5) 96.6 cm = _____ mm	6) 13.74 cm = _____ mm
7) 8.26 cm = _____ mm	8) 62.2 cm = _____ mm

Convert the following millimeters (mm) to centimeters (cm).

9) 890 mm = _____ cm	10) 482.1 mm = _____ cm
11) 41.2 mm = _____ cm	12) 364 mm = _____ cm
13) 838 mm = _____ cm	14) 91.23 mm = _____ cm
15) 637 mm = _____ cm	16) 212.2 mm = _____ cm

Answer key

Example 1 : 23.5 cm = _____ mm

$$1 \text{ cm} = 10 \text{ mm}$$

$$23.5 \text{ cm} = 23.5 \times 10$$

$$= \mathbf{235 \text{ mm}}$$

Example 2 : 235 mm = _____ cm

$$10 \text{ mm} = 1 \text{ cm}$$

$$235 \text{ mm} = \frac{235}{10}$$

$$= \mathbf{23.5 \text{ cm}}$$

Convert the following centimeters (cm) to millimeters (mm).

1) 51.5 cm = <u>515</u> mm	2) 23.32 cm = <u>233.2</u> mm
3) 41 cm = <u>410</u> mm	4) 77 cm = <u>770</u> mm
5) 96.6 cm = <u>966</u> mm	6) 13.74 cm = <u>137.4</u> mm
7) 8.26 cm = <u>82.6</u> mm	8) 62.2 cm = <u>622</u> mm

Convert the following millimeters (mm) to centimeters (cm).

9) 890 mm = <u>89</u> cm	10) 482.1 mm = <u>48.21</u> cm
11) 41.2 mm = <u>4.12</u> cm	12) 364 mm = <u>36.4</u> cm
13) 838 mm = <u>83.8</u> cm	14) 91.23 mm = <u>9.123</u> cm
15) 637 mm = <u>63.7</u> cm	16) 212.2 mm = <u>21.22</u> cm