

TARGET To convert between metric units of length.

Examples

$$\begin{aligned} 50 \text{ mm} &= 5 \text{ cm} \\ 126 \text{ mm} &= 12.6 \text{ cm} \\ 8 \text{ mm} &= 0.8 \text{ cm} \end{aligned}$$

$$\begin{aligned} 490 \text{ cm} &= 4.9 \text{ m} \\ 30 \text{ cm} &= 0.3 \text{ m} \\ 278 \text{ cm} &= 2.78 \text{ m} \end{aligned}$$

$$\begin{aligned} 1700 \text{ m} &= 1.7 \text{ km} \\ 230 \text{ m} &= 0.23 \text{ km} \\ 3050 \text{ m} &= 3.05 \text{ km} \end{aligned}$$

A

Copy and complete.

- 1 $24 \text{ mm} = \square \text{ cm}$
- 2 $3 \text{ mm} = \square \text{ cm}$
- 3 $9.6 \text{ cm} = \square \text{ mm}$
- 4 $3.1 \text{ cm} = \square \text{ mm}$
- 5 $880 \text{ cm} = \square \text{ m}$
- 6 $590 \text{ cm} = \square \text{ m}$
- 7 $0.7 \text{ m} = \square \text{ cm}$
- 8 $4.6 \text{ m} = \square \text{ cm}$
- 9 $7300 \text{ m} = \square \text{ km}$
- 10 $400 \text{ m} = \square \text{ km}$
- 11 $1.2 \text{ km} = \square \text{ m}$
- 12 $6.1 \text{ km} = \square \text{ m}$
- 13 A pile of eight identical books is 24 cm tall. How wide is each book in millimetres?
- 14 A reel of tape is 5 m long. 40 cm is used. How much tape is left?

B

Copy and complete.

- 1 $66 \text{ mm} = \square \text{ cm}$
- 2 $185 \text{ mm} = \square \text{ cm}$
- 3 $1.3 \text{ cm} = \square \text{ mm}$
- 4 $14.4 \text{ cm} = \square \text{ mm}$
- 5 $157 \text{ cm} = \square \text{ m}$
- 6 $81 \text{ cm} = \square \text{ m}$
- 7 $7.62 \text{ m} = \square \text{ cm}$
- 8 $2.09 \text{ m} = \square \text{ cm}$
- 9 $5340 \text{ m} = \square \text{ km}$
- 10 $3720 \text{ m} = \square \text{ km}$
- 11 $9.95 \text{ km} = \square \text{ m}$
- 12 $0.58 \text{ km} = \square \text{ m}$
- 13 Each length of a model railway track is 30 cm long. How long are twelve lengths of track in metres?
- 14 Arlene's finger is 8.3 cm long. Chandra's is 9 mm shorter. How long is Chandra's finger?

C

Copy and complete.

- 1 $4916 \text{ mm} = \square \text{ m}$
- 2 $582 \text{ mm} = \square \text{ m}$
- 3 $1.704 \text{ m} = \square \text{ mm}$
- 4 $0.09 \text{ m} = \square \text{ mm}$
- 5 $1215 \text{ cm} = \square \text{ m}$
- 6 $0.5 \text{ cm} = \square \text{ m}$
- 7 $6.08 \text{ m} = \square \text{ cm}$
- 8 $13.9 \text{ m} = \square \text{ cm}$
- 9 $827 \text{ m} = \square \text{ km}$
- 10 $24 \text{ m} = \square \text{ km}$
- 11 $5.096 \text{ km} = \square \text{ m}$
- 12 $0.003 \text{ km} = \square \text{ m}$
- 13 Omar's journey to school is 1.64 km. Tudor's journey is 575 m further. How long is Tudor's journey to school?
- 14 A row of twenty carpet tiles is 9 m long. How long is one tile in centimetres?