

Exercise 11B

1 Fill in the blanks.

- a Height of a glass = $0.12 \text{ m} = \underline{12} \text{ cm}$
- b Height of a tree = $960 \text{ cm} = \underline{9.6} \text{ m}$
- c Height of a building = $0.1 \text{ km} = \underline{100} \text{ m}$
- d Distance from floor to ceiling = $3.8 \text{ m} = \underline{380} \text{ cm}$
- e Length of a cricket bat = $0.87 \text{ m} = \underline{87} \text{ cm}$
- f Length of a tennis racket = $72 \text{ cm} = \underline{720} \text{ mm}$
- g Height of a table = $70 \text{ cm} = \underline{0.70} \text{ m}$
- h Thickness of a pencil = $0.8 \text{ cm} = \underline{8} \text{ mm}$
- i Length of a mobile phone = $9.2 \text{ cm} = \underline{92} \text{ mm}$
- j Thickness of an encyclopaedia = $42 \text{ mm} = \underline{4.2} \text{ cm}$



2 Fill in the blanks.

- a $6.2 \text{ km} = \underline{6200} \text{ m}$ b $0.12 \text{ km} = \underline{120} \text{ m}$ c $9.1 \text{ km} = \underline{9100} \text{ m}$
- d $6300 \text{ m} = \underline{6.3} \text{ km}$ e $1100 \text{ m} = \underline{1.1} \text{ km}$ f $2800 \text{ m} = \underline{2.8} \text{ km}$

3 Complete the table.

	Full form	In bigger units	In smaller units
a	36 m 14 cm	36.14 m	3614 cm
b	<u>98 m 98 cm</u>	98.98 m	9898 cm
c	16 m 24 cm	<u>16.24 m</u>	1624 cm
d	11 cm 2 mm	<u>11.2 cm</u>	112 mm
e	<u>28 cm 7 mm</u>	28.7 cm	287 mm
f	49 cm 8 mm	49.8 cm	<u>498 mm</u>

4. a Mrs. Kapoor has two clothes. " — " — " — the

→ Given :

Mrs. Kapoor has two clothes line,

1st in her backyard. = 5 m. long.

2nd = 4.05 m. long.

$$\text{So, } 5 - 4.05$$

$$= 0.95 \text{ m}$$

∴ 0.95 m. longer is the first line -
then the second.

b) → A rabbit's hop is about 2 m long. " — " —
travel 1 km.?

$$1 \text{ km} = 1000 \text{ m.}$$

Rabbit hop is 2 m long.

$$\frac{1000}{2} = 500 \text{ hops.}$$

8) Arinash is 1.8 m tall. Arun is 181 cm tall. (Hint \rightarrow Convert m to cm first).

Answer :-

$$1 \text{ m} = 100 \text{ cm.}$$

$$1.8 \text{ m} = 1.8 \times 100.$$

$$= 180 \text{ cm.}$$

$$181 - 180 = 11 \text{ cm.}$$

11 cm. taller is Arun than Arinash.

9) Monika's shoe is 20.8 cm long. Kabir's shoe is 6 mm longer than Monika's shoe.

$$\text{Monika's shoe length} = 20.8 \text{ cm.}$$

$$\text{Kabir's shoe length} = 20.8 \text{ cm.} + 6 \text{ mm}$$

We will convert mm in to cm.

$$6 \text{ mm} = 0.6 \text{ cm.}$$

$$= 20.8 \text{ cm} + 0.6 \text{ cm}$$

$$20.8 + 0.6 = 21.4 \text{ cm.}$$

$$+ 0.6$$

$$\underline{\underline{21.4}} \text{ cm}$$

