

Conversion of Metric Units of Length

1. Convert 12 meters and 18 centimeters into meters.

a. **12.18 m**

2. Convert 89000 m into kilometers.

d. **89 km**

3. Convert the units:

a. $4 \text{ km} = \underline{4,000} \text{ m}$

b. $20 \text{ km} = \underline{20,000} \text{ m}$

4. Convert the units:

a. $3800 \text{ cm} = \underline{38} \text{ m}$

b. $2300 \text{ cm} = \underline{23} \text{ m}$

5. Fill in the blank.

$$4.6 \text{ cm} = \underline{4} \text{ cm } \underline{6} \text{ mm}$$

6. Fill in the blank.

$$2 \text{ dm} = \underline{0.2} \text{ m}$$

Answer the following questions.

7. Convert the following:

$$15 \text{ kl } 61 \text{ dal } 3 \text{ cl } 97 \text{ ml} = \underline{15610.127} \text{ l}$$

8. Convert 4m 66cm into centimeters.

$$4 \text{ m } 66 \text{ cm} = (4 \times 100) \text{ cm} + 66 \text{ cm}$$

$$= 400 \text{ cm} + 66 \text{ cm}$$

$$= 466 \text{ cm}$$

We know that:

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

$$1 \text{ kl} = 1000 \text{ l}$$

$$1 \text{ dal} = 0.01 \text{ l}$$

$$1 \text{ ml} = 0.001 \text{ l}$$