

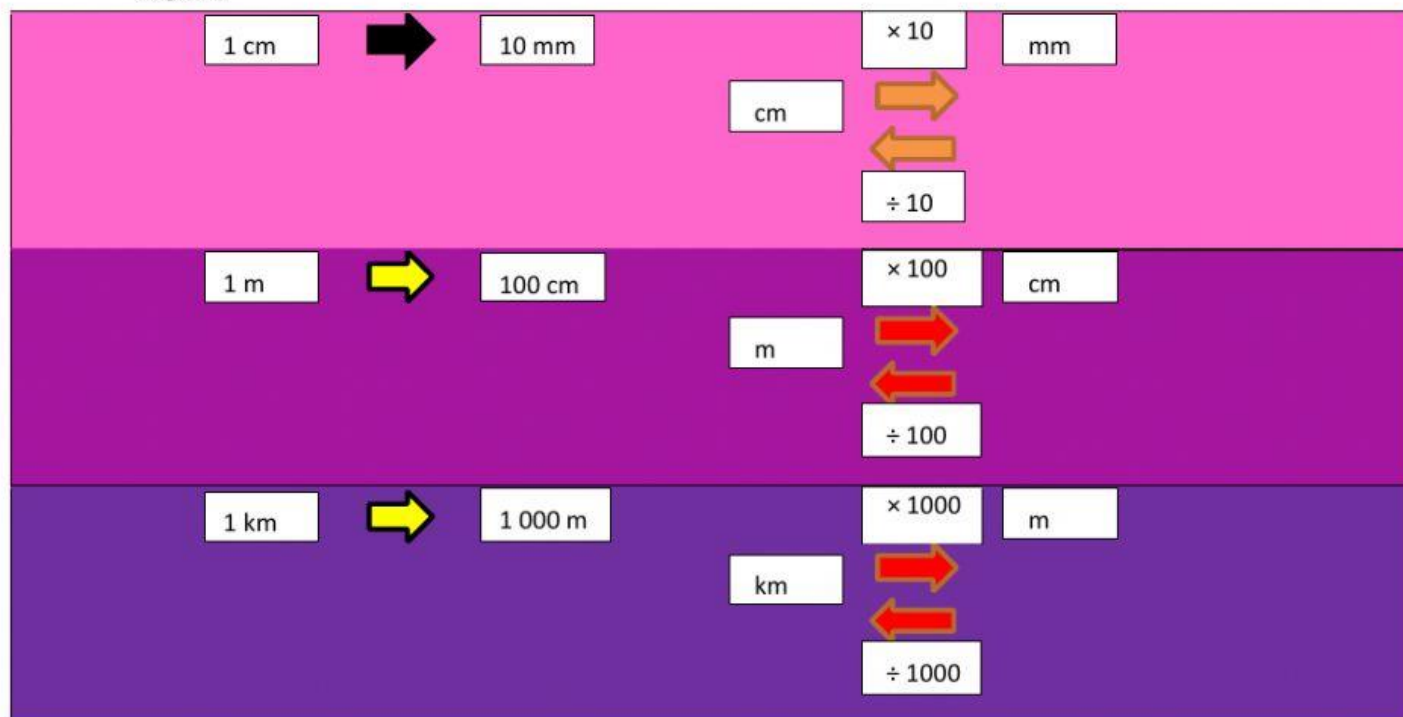
MATHEMATICS YEAR 5

TITLE 5 : LENGTH, MASS AND VOLUME OF LIQUIDS

(LENGTH) - CHANGE UNIT LENGTH

1. millimeters and centimeters (convert to fractional)
2. centimeters and meters (convert to fractional)
3. kilometers and meters (convert to decimal)

NOTE :



Solution :

$$10\,300 \text{ m} = \underline{\hspace{2cm}} \text{ km} \quad (\text{in decimal})$$

$$10\,300 \text{ m} = (10\,300 \div 1\,000) \text{ km} = \underline{\underline{10.3 \text{ km}}}$$

$$68 \text{ km } 4 \text{ m} = \underline{\hspace{2cm}} \text{ km} \quad (\text{in decimal})$$

$$\begin{aligned} 68 \text{ km } 4 \text{ m} &= 68 \text{ km} + (4 \div 1\,000) \text{ km} \\ &= 68 \text{ km} + 0.004 \text{ km} \\ &= \underline{\underline{68.004 \text{ km}}} \end{aligned}$$

$$47 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$$

$$\begin{aligned} 47 \text{ mm} &= \frac{47}{10} \text{ cm} \\ &= 4 \frac{7}{10} \text{ cm} \end{aligned}$$

(in fraction)

20 cm 6 mm = _____ cm (in fraction) 20 cm 6 mm = 20 cm + $(\frac{6 \div 2}{10 \div 2})$ cm = 20 cm + $\frac{3}{5}$ cm = $20\frac{3}{5}$ cm 20 cm 6 mm = $20\frac{3}{5}$ cm	Convert 12 mm to cm in fraction. 12 mm = (12 ÷ 10) cm = $\frac{12}{10}$ cm = $1\frac{2}{5}$ cm = $1\frac{1}{5}$ cm	convert $1\frac{1}{4}$ m to cm in fraction $1\frac{1}{4}$ m = 1 m + $\frac{1}{4}$ m = (1 × 100) cm + $(\frac{1}{4} \times \frac{25}{100})$ cm = 100 cm + 25 cm = 125 cm $1\frac{1}{4}$ m = 125 cm
3 m 25 cm = _____ m (in fraction) 3 m 25 cm = 3 m + $(\frac{25}{100})$ m = $3\frac{1}{4}$ m	150 cm = _____ m (in fraction) 150 cm = (150 ÷ 100) m = $\frac{150}{100}$ m = $1\frac{1}{2}$ m	31 cm = _____ m (in fraction) 31 cm = (31 ÷ 100) m = $\frac{31}{100}$

EXERCISES 1 : STATE THE FOLLOWING UNIT LENGTH IN DECIMAL OR VICE VERSA.

1. 5 km 2m = _____ km	2. 6 005 m = _____ km	3. 8.23 km = _____ m
4. 0.89 km = _____ m	5. 7 km 56m = _____ km	6. 908 m = _____ km

EXERCISES 1 : SPECIFY THE FOLLOWING UNIT LENGTH IN FRACTION OR VICE VERSA.

1. $7\frac{1}{2}$ cm = _____ mm	2. 9 cm 6mm = 9 _____ cm	3. 57 mm = _____ cm
4. 6 m 75 cm = _____ m	5. $10\frac{3}{4}$ m = _____ cm	6. 305 cm = _____ m