

Practice 2**Converting a measurement from a smaller unit to a larger unit****1** Convert to metres.

a $1 \text{ cm} = 1 \div 100 = \underline{\hspace{2cm}} \text{ m}$

b $50 \text{ cm} = \underline{\hspace{2cm}}$

c $908 \text{ cm} = \underline{\hspace{2cm}}$

d $0.1 \text{ cm} = \underline{\hspace{2cm}}$

e $2000 \text{ cm} = \underline{\hspace{2cm}}$

f $961.7 \text{ cm} = \underline{\hspace{2cm}}$

2 Express, as a decimal, in metres.

a $5 \text{ m } 20 \text{ cm}$

b $76 \text{ m } 9 \text{ cm}$

$$20 \text{ cm} = \frac{20}{100} = \underline{\hspace{2cm}} \text{ m}$$

$$\begin{aligned} 5 \text{ m } 20 \text{ cm} &= \underline{\hspace{2cm}} \text{ m} + \underline{\hspace{2cm}} \text{ m} \\ &= \underline{\hspace{2cm}} \text{ m} \end{aligned}$$

c $260 \text{ m } 10 \text{ cm}$

d $800 \text{ m } 40 \text{ cm}$

e $9 \text{ m } 3 \text{ cm}$

f $15 \text{ m } 28 \text{ cm}$

3 Convert to kilometres.

a $2000\text{ m} = 2000 \div 1000$

$= \underline{\hspace{2cm}}\text{ km}$

b $90730\text{ m} = \underline{\hspace{2cm}}$

c $475\text{ m} = \underline{\hspace{2cm}}$

d $25\text{ cm} = \underline{\hspace{2cm}}$

4 Express, as a decimal, in kilometres.

a $2\text{ km } 360\text{ m}$

$360\text{ m} = \frac{360}{1000} = \underline{\hspace{2cm}}\text{ km}$

$2\text{ km } 360\text{ m} = \underline{\hspace{2cm}}\text{ km} + \underline{\hspace{2cm}}\text{ km} = \underline{\hspace{2cm}}\text{ km}$

b $7\text{ km } 94\text{ m}$

c $5\text{ km } 3\text{ m}$

d $7\text{ km } 800\text{ m}$

e $65\text{ km } 180\text{ m}$

5 Convert to kilograms.

a $700\text{ g} = 700 \div 1000$

$= \underline{\hspace{2cm}}\text{ kg}$

b $95\text{ g} = \underline{\hspace{2cm}}$

c $20\text{ g} = \underline{\hspace{2cm}}$

d $6005\text{ g} = \underline{\hspace{2cm}}$

6 Express, as a decimal, in kilograms.

a $4\text{ kg } 516\text{ g}$

$516\text{ g} = \frac{516}{1000} = \underline{\hspace{2cm}}\text{ kg}$

$4\text{ kg } 516\text{ g} = \underline{\hspace{2cm}}\text{ kg} + \underline{\hspace{2cm}}\text{ kg} = \underline{\hspace{2cm}}\text{ kg}$

b $16\text{ kg } 120\text{ g}$

c $5\text{ kg } 5\text{ g}$

d $932\text{ kg } 400\text{ g}$

7 Convert to litres.

a $9000 \text{ ml} = 9000 \div 1000$
 $= \underline{\hspace{2cm}} \ell$

b $30 \text{ ml} = \underline{\hspace{2cm}}$

c $7065 \text{ ml} = \underline{\hspace{2cm}}$

d $1500 \text{ ml} = \underline{\hspace{2cm}}$

8 Express, as a decimal, in litres.

a $4 \ell 256 \text{ ml}$

$256 \text{ ml} = \frac{256}{1000} = \underline{\hspace{2cm}} \ell$

$4 \ell 256 \text{ ml} = \underline{\hspace{2cm}} \ell + \underline{\hspace{2cm}} \ell = \underline{\hspace{2cm}} \ell$

b $20 \ell 40 \text{ ml}$


c $2 \ell 6 \text{ ml}$

d $46 \ell 500 \text{ ml}$

Solve these word problems. Show your workings clearly.

- 9 The height of a stack of 3 identical books is 7.5 cm. What is the height, expressed in metres, of 50 books stacked one on top of each other?



- 10  Nathan takes 30 steps to walk 12 m. How many kilometres has he walked after taking 1750 steps?

11



12 identical buckets contain 17 280 ml of water. How many litres of water are there in 75 buckets?

12



23.5 ℓ of water are used to water the plants in a greenhouse in a week. The same amount of water is used each day. How many millilitres of water are used every day? Give your answer to 1 decimal place.

