

Date: _____

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

a $3\text{ m} = 3 \times 100 = \underline{\hspace{2cm}}\text{ cm}$

b $1.5\text{ m} = \underline{\hspace{2cm}}$

c $1.567\text{ m} = \underline{\hspace{2cm}}$

d $715.9\text{ m} = \underline{\hspace{2cm}}$

2 Convert the following to metres and centimetres.

a 7.6 m

b 86.4 m

$0.6\text{ m} = 0.6 \times 100 = \underline{\hspace{2cm}}\text{ cm}$

$7.6\text{ m} = \underline{\hspace{2cm}}\text{ m} = \underline{\hspace{2cm}}\text{ cm}$

c 3.14 m

d 217.9 m

e 78.01 m

f 93.64 m

3 Convert to metres.

a $12 \text{ km} = 12 \times 1000$ $= \underline{\hspace{2cm}} \text{ m}$	b $78.54 \text{ km} = \underline{\hspace{2cm}} \text{ m}$
c $20.9 \text{ km} = \underline{\hspace{2cm}} \text{ m}$	d $7.5 \text{ km} = \underline{\hspace{2cm}} \text{ m}$
e $16.3 \text{ km} = \underline{\hspace{2cm}} \text{ m}$	f $0.56 \text{ km} = \underline{\hspace{2cm}} \text{ m}$
<p>What is the highest mountain in Scotland? Write the letters which match the answers to find out.</p>	
<div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;"> <u> </u> 16 300 </div> <div style="text-align: center;"> <u> </u> 12 000 </div> <div style="text-align: center;"> <u> </u> 7500 </div> <div style="text-align: center;"> <u> </u> 7500 </div> <div style="text-align: center;"> <u> </u> 12 000 </div> <div style="text-align: center;"> <u> </u> 78 540 </div> <div style="text-align: center;"> <u> </u> 20 900 </div> <div style="text-align: center;"> <u> </u> 560 </div> </div>	

4 Convert the following to kilometres and metres.

a 9.3 km

$0.3 \text{ km} = 0.3 \times 1000$

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

$9.3 \text{ km} = \underline{\hspace{2cm}} \text{ km } \underline{\hspace{2cm}} \text{ m}$

b 61.5 km

c 20.08 km

d 5.009 km

5 Convert to grams.

a $5 \text{ kg} = 5 \times 1000 = \underline{\hspace{2cm}} \text{ g}$

b $3.6 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$

c $6.04 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$

d $130.5 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$

6 Convert the following to kilograms and grams.

a 1.752 kg

b 3.25 kg

$0.752 \text{ kg} = 0.752 \text{ kg} \times 1000$

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

$1.752 \text{ kg} = \underline{\hspace{2cm}} \text{ kg } \underline{\hspace{2cm}} \text{ g}$

c 4.9 kg

d 12.6 kg

e 90.32 kg

f 6.004 kg

7 Convert to millilitres.

a $8 \ell = 8 \times 1000 = \underline{\hspace{2cm}} \text{ ml}$

b $61.4 \ell = \underline{\hspace{2cm}}$

c $0.07 \ell = \underline{\hspace{2cm}}$

d $18.03 \ell = \underline{\hspace{2cm}}$

8 Convert the following to litres and millilitres.

a 1.056ℓ

b 2.39ℓ

$$0.056 \ell = 0.056 \times 1000$$

$$= \text{_____} \text{ ml}$$

$$1.056 \ell = \text{_____} \ell \text{ _____} \text{ ml}$$

c 65.4ℓ


d 18.7ℓ

e 3.04ℓ

f 95.003ℓ

Solve these word problems. Show your workings clearly.

- 9** Alisha wants to make some banners for her school's sports day. She buys a roll of material 3.6 m long. She divides it equally to make 8 identical banners. What is the length of each banner in centimetres?

- 10  450 packets of raisins have a mass of 6.75 kg. What is the mass of 5 packets in grams?



- 11 Mrs Thomas walks 2 km in 1 hour. How far does she walk in 1 minute? Give your answer in metres to 1 decimal place.

12



A cafe served 5 cups of coffee every hour. Each cup contained 0.22ℓ of coffee. How many litres and millilitres of coffee were served in a day if the cafe was open for 24 hours?



13



A pack of paper has a mass of 3.5 kg .

- a What is the mass of 25 packs of paper? Give your answer in kilograms and grams.
- b If each pack has 500 sheets of paper, what is the mass of each sheet of paper? Give your answer in grams.