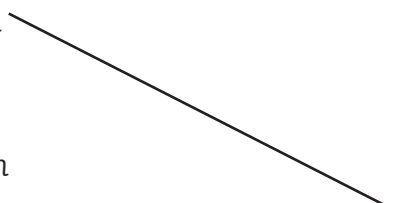# Converting Between Different Units of Measurement

1. Complete this table. The first one has been done for you.

Millilitres (ml)	Litres (l)
650	0.65
2300	
	4.37
	9.2
780	

2. Draw lines to match these measurements. One has been done for you.

170cm	800cm
40cm	2.5m
8m	1700cm
250cm	0.4m
4m	1.7m
17m	400cm

3. Use <, = or > to complete the following sentences:

8400g ☐ 8.4kg   1100g ☐ 1kg   725g ☐ 7.25kg

6.6kg ☐ 660g   3.7kg ☐ 379g   2890g ☐ 2.89kg

4. Complete the number sentences below:

250g =   kg   390cm =   m   2.6l =   ml

0.46kg =   g   5.6m =   cm   350ml =   l

1240g =   kg   980cm =   m   0.8l =   ml

Converting Between Different Units of Measurement

1. Complete this table. The first one has been done for you.

Millilitres (ml)	Centilitres (cl)	Litres (l)
350	35	0.35
1300		
		2.6
	82	
680		

Draw lines to match these measurements. One has been done for you.

170cm   0.86m
40mm   2.5m
860mm   1.7cm
250cm   0.4cm
8.6m   1.7m
17mm   860cm
4mm   0.04m

2. Use <, = or > to complete the following sentences:

6g ☐ 0.006kg   0.46kg ☐ 46g   3.5g ☐ 3550kg

1001g ☐ 1kg   0.38kg ☐ 379g   4560g ☐ 4.56kg

3. Complete the number sentences below:

360g = ___ kg   830cm = ___ m   4.2l = ___ ml   3400m = ___ km

0.74kg = ___ g   2.6m = ___ cm   760ml = ___ l   0.23km = ___ m

3078g = ___ kg   180cm = ___ m   0.9l = ___ ml   46m = ___ km

Converting Between Different Units of Measurement

1. Complete this table. The first one has been done for you.

Millilitres (ml)	Centilitres (cl)	Litres (l)
860	86	0.86
9700		
		$\frac{1}{2}$ litre
820		
		$\frac{3}{4}$ litres

Draw lines to match these measurements. One has been done for you.

9cm   0.86km

99mm   6.5m

860m   6.5cm

650cm   9900m

0.86m   0.09m

65mm   86cm

9.9km   9.9cm

2. Use <, = or > to complete the following sentences:

$\frac{1}{4}$ kg ☐ 250g   8005g ☐ 8.5kg   0.09kg ☐ 6g

12.5kg ☐ 1250g   10 001g ☐ 10kg   750g ☐ $\frac{3}{4}$ kg

3. Complete the number sentences below:

360g =   kg   830cm =   m   4.2l =   ml   3400m =   km

0.74kg =   g   2.6m =   cm   760ml =   l   0.23km =   m

3078g =   kg   180cm =   m   0.9l =   ml   46m =   km

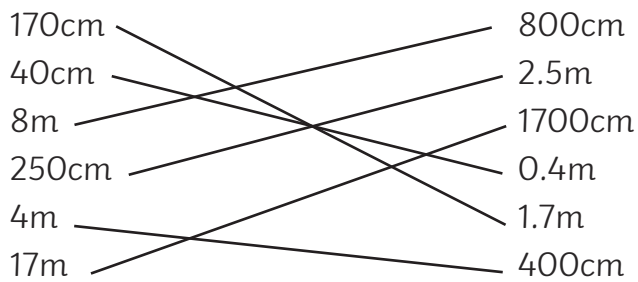4. Sam says: 9.05kg is equal to 9500g. Is he right or wrong? Explain your answer.

_____

_____

_____

Converting Between Different Units of Measurement: **Answers**

1. Complete this table. The first one has been done for you.

Millilitres (ml)	Litres (l)
650	0.65
2300	2.3
4370	4.37
9200	9.2
780	0.78

2. Draw lines to match these measurements. One has been done for you.

170cm   800cm
40cm   2.5m
8m   1700cm
250cm   0.4m
4m   1.7m
17m   400cm

3. Use <, = or > to complete the following sentences:

8400g $=$ 8.4kg   1100g $>$ 1kg   725g $<$ 7.25kg

6.6kg $>$ 660g   3.7kg $>$ 379g   2890g $=$ 2.89kg

4. Complete the number sentences below:

250g = **0.25**kg   390cm = **3.9**m   2.6l = **2600**ml

0.46kg = **460**g   5.6m = **560**cm   350ml = **0.35**l

1240g = **1.24**kg   980cm = **9.8**m   0.8l = **800**ml
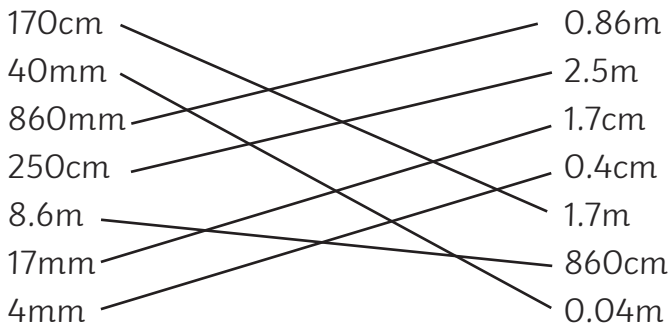
Converting Between Different Units of Measurement: **Answers**

1. Complete this table. The first one has been done for you.

Millilitres (ml)	Centilitres (cl)	Litres (l)
350	35	0.35
1300	**130**	**1.3**
2600	260	2.6
820	82	**0.82**
680	**68**	**0.68**

Draw lines to match these measurements. One has been done for you.

170cm   0.86m
40mm   2.5m
860mm   1.7cm
250cm   0.4cm
8.6m   1.7m
17mm   860cm
4mm   0.04m

2. Use <, = or > to complete the following sentences:

6g   **=**   0.006kg   0.46kg   **>**   46g   3.5g   **<**   3550kg

1001g   **>**   1kg   0.38kg   **>**   379g   4560g   **=**   4.56kg

3. Complete the number sentences below:

360g = **0.36**kg   830cm = **8.3**m   4.2l = **4200**ml   3400m = **3.4**km

0.74kg = **740**g   2.6m = **260**cm   760ml = **0.76**l   0.23km = **230**m

3078g = **3.078**kg   180cm = **1.8**m   0.9l = **900**ml   46m = **0.046**km

Converting Between Different Units of Measurement: **Answers**

1. Complete this table. The first one has been done for you.

Millilitres (ml)	Centilitres (cl)	Litres (l)
860	86	0.86
9700	**970**	**9.7**
500	50	$\frac{1}{2}$ litre
820	82	**0.82**
750	75	$\frac{3}{4}$ litres

Draw lines to match these measurements. One has been done for you.

9cm   0.86km
99mm   6.5m
860m   6.5cm
650cm   9900m
0.86m   0.09m
65mm   86cm
9.9km   9.9cm

2. Use <, = or > to complete the following sentences:

$\frac{1}{4}$ kg   **=**   250 g   8005g   **<**   8.5kg   0.09kg   **>**   6g

12.5kg   **>**   1250 g   10 001g   **>**   10kg   750g   **=** $\frac{3}{4}$ kg

3. Complete the number sentences below:

360g = 0.36kg   830cm = 8.3m   4.2l = 4200ml   3400m = 3.4km

0.74kg = 740g   2.6m = 260cm   760ml = 0.76l   0.23km = 230m

3078g = 3.078kg   180cm = 1.8m   0.9l = 900ml   46m = 0.046km

4. Sam says: 9.05kg is equal to 9500g. Is he right or wrong? Explain your answer.

Sam is wrong because 9.05kg is equal to 9050g, not 9500g. The digit 5 is worth 5 tens, not 5 hundreds.