

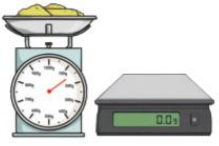

## Converting between metric units

Watch these clips: <https://www.youtube.com/watch?v=URwMPphTvv8>

<https://www.youtube.com/watch?v=zLRv028h9Is>

You might want to keep referring to this conversion chart.

Remember you are moving the decimal place 3 places when  $\times$  and  $\div$  by 1,000

Converting Mass	Converting Capacity
 <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <math>\text{kg} \xrightarrow{\times 1000} \text{g}</math>  <math>\text{g} \xrightarrow{\div 1000} \text{kg}</math> </div> <div style="background-color: #fff9c4; padding: 10px; border: 1px solid #ccc;"> <math>1000\text{g} = 1\text{kg}</math>  <math>\frac{1}{10}\text{kg} = 0.1\text{kg} = 100\text{g}</math>  <math>\frac{1}{4}\text{kg} = 0.25\text{kg} = 250\text{g}</math>  <math>\frac{1}{2}\text{kg} = 0.5\text{kg} = 500\text{g}</math>  <math>\frac{3}{4}\text{kg} = 0.75\text{kg} = 750\text{g}</math> </div> </div>	 <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <math>\text{l} \xrightarrow{\times 1000} \text{ml}</math>  <math>\text{ml} \xrightarrow{\div 1000} \text{l}</math> </div> <div style="background-color: #e1f5fe; padding: 10px; border: 1px solid #ccc;"> <math>1000\text{ml} = 1\text{ litre}</math>  <math>\frac{1}{10}\text{l} = 0.1\text{l} = 100\text{ml}</math>  <math>\frac{1}{4}\text{l} = 0.25\text{l} = 250\text{ml}</math>  <math>\frac{1}{2}\text{l} = 0.5\text{l} = 500\text{ml}</math>  <math>\frac{3}{4}\text{l} = 0.75\text{l} = 750\text{ml}</math>  <math>\frac{1}{100}\text{l} = 0.01\text{l} = 10\text{ml}</math> </div> </div>

1. Convert these measurements

$1,000\text{ ml} = 1\text{ l}$

ml = 3 l

ml = 30 l

300 ml =  l

ml = 0.3 l


g	kg
567g	
	0.04kg
12g	
	10.07kg
3030g	
	500kg

2. Compare the measurements using  $<$   $>$  or  $=$



2 l  1,500 ml

60 l  6,000 ml

3. A pack of strawberries weighs 500g.




2 packs of strawberries will cost £4.00






Is Beth correct?  
Explain how you know.

A bunch of bananas weighs 500g



4 bunches of bananas will cost £5.00

Is Jack correct?  
Explain how you know.

## ANSWERS

1.

1,000 ml = 1 L
3,000 ml = 3 L
30,000 ml = 30 L
300 ml = 0.3 L
300 ml = 0.3 L

g	kg
567g	0.567kg
40g	0.04kg
12g	0.012kg
10 070g	10.07kg
3030g	3.03kg
500 000g	500kg

2.

2 L > 1,500 ml	60 L > 6,000 ml
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3. Beth is correct. 2 packs of strawberries weigh 1,000g. 1,000g is equivalent to 1kg. 1kg of strawberries cost £4.00.

Jack is not correct.  $4 \times 500\text{g} = 2,000\text{g}$ . 2,000g is equivalent to 2kg.  $2 \times £3 = £6$  so 4 bunches of bananas would cost £6.00