## Comparing Grams and Kilograms



Which is heavier -3500 g or 3 kg ?
It is difficult to answer this question because the masses are measured in different units.
It is best to convert one of the measurements into the same unit as the other.

What fact could we use to help us convert between grams and kilograms?

1 kilogram = 1000 grams
$3500 \mathrm{~g}=3.5 \mathrm{~kg}$ or


## Order, Order!

Helen has ordered the items on each shelf in her shop from lightest to heaviest. Check each shelf and correct any that are not in the right order.

This is incorrect.
The correct order is strawberries, apples, cauliflower.


## Order, Order!

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## Compare It Millilitres and Litres



?
How is comparing grams and kilograms similar to comparing millilitres and litres?


There are 1000 grams in 1 kilogram and 1000 millilitres in 1 litre. We multiply or divide by 1000 to convert grams and kilograms to the same unit, so we can do the same to convert millilitres and litres.

## Compare It Millilitres and Litres

Use <, > or = to compare these measurements.


## Compare It Millilitres and Litres



Use <, > or = to compare these measurements.


Now you have a try:

## Comparing and Ordering Measurements of Mass, Volume and Capacity

I can compare measurements of mass, volume and capacity.

## Mass

1. In each pair, draw a circle around the greater mass.

| a) | 500 g | 1.2 kg |
| :--- | :---: | :---: |
| b) | $3 \mathrm{~kg} \mathrm{750g}$ | 3800 g |
| c) | 1.9 kg | 1600 g |
| d) | $4 \mathrm{~kg} \mathrm{200g}$ | 4.3 kg |
| e) | 2.8 kg | 2500 g |
| f) | 2850 g | 2.9 kg |


2. Order these measurements from smallest to greatest mass.

| a) 2.6 kg | 2550 g | 3 kg |  |
| :--- | :---: | :---: | :---: |
|  | smallest |  | greatest |


| b) | 5 kg | 4.9 kg | 4500 g |
| :--- | :--- | :--- | :--- |
|  | smallest |  | greatest |
|  |  |  |  |


| c) | 8.7 kg | 5800 g | 5 kg |
| :--- | :---: | :---: | :---: |
|  | smallest |  | greatest |
|  |  |  |  |

## Comparing and Ordering Mcasurements of <br> Mass, Volume and Capacity

## Volume and Capacity



750 ml


21


330 ml

1.25 l
3. Write $<,>$ or $=$ in each row of the table to compare the capacity of the containers:

| washing-up liquid bottle |  | teapot |
| :--- | :--- | :--- |
| drinks can |  | lemonade bottle |
| lemonade bottle |  | washing-up liquid bottle and teapot |
| washing-up liquid bottle |  | 2 drinks cans |

4. Joanna records the volume of water she drinks each day for three days. Order the days according to how much she drank.

| Monday | Tuesday | Wednesday |  |
| :---: | :--- | ---: | :---: |
| 1750 ml | 2.5 l | 1.91 |  |


| greatest |  | smallest |
| :--- | :--- | :--- |
|  |  |  |

5. If Joanna had drunk 200 ml more on Monday, would this have changed the order? If so, write the new order:

| greatest |  |  |
| :--- | :--- | :--- |
|  | smallest |  |

