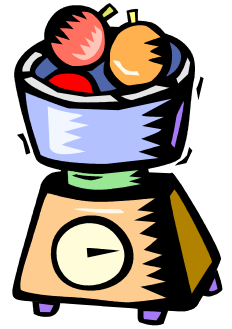


# Grams and Kilograms

LO: To convert one unit of weight in to another.



Remember...

1000g is equal to (or the same as) 1kg.

Grams in to kilograms = small to big = silly babies dancing = divide by 1000

Kilograms in to grams = big to small = best soccer mum = multiply by 1000

Convert these lengths in to the unit of measure given...look carefully!

- |                    |                     |
|--------------------|---------------------|
| a) 2000g = _____kg | h) 1.5kg = _____g   |
| b) 5000g = _____kg | i) 3.5kg = _____g   |
| c) 9000g = _____kg | j) 1.25kg = _____g  |
| d) 5040g = _____kg | k) 0.9kg = _____g   |
| e) 250g = _____kg  | l) 8.64kg = _____g  |
| f) 675g = _____kg  | m) 0.025kg = _____g |
| g) 480g = _____kg  | n) 0.63kg = _____g  |

Have a go at these word problems...

- 1) A baker has a big order of cakes he needs to bake. He needs **5** oranges for his recipe. Each orange weighs **150g**. What is the total weight of the oranges?
  - a) In grams?
  - b) In kilograms?
  
- 2) A gardener has **10** plants to pot. Each plant pot needs **50g** of soil. How much soil does the gardener need altogether?
  - a) In grams?
  - b) In kilograms?
  
- 3) A builder has to fix **3** walls that have fallen down. He needs **2kg** of cement for each wall. How much cement will he need altogether?
  - a) In kilograms?
  - b) In grams?

**Answers:**

- a. 2kg
- b. 5kg
- c. 9kg
- d. 5.040kg
- e. 0.250kg
- f. 0.675kg
- g. 0.480kg
- h. 1500g
- i. 3500g
- j. 1250g
- k. 900g
- l. 8640g
- m. 25g
- n. 630g

- 1. 750g      or      0.750 kg
- 2. 500g      or      0.500kg
- 3. 6kg        or      6000g