

## Imperial Units of Mass

The imperial system of measurement uses ounces and pounds to measure mass.

Ounces (oz) are the smaller unit of mass. One slice of bread has a mass of about one ounce. Ounces are often used in recipes to measure amounts of ingredients.



Pounds (lb) are the larger unit of mass - a football has a mass of about one pound. There are 16 ounces in one pound. We might use pounds to rdies or

Can you think of anything else that we use ounces or pounds to measure?

## Ounces and Grams

$$
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## Recipes

Lucy's grandma has given her an old book of cake recipes.
The ingredients have been written in imperial measurements.


## Recipes

The first page in Lucy's grandma's book has a list of ingredients for making shortbread.

Shortbread
Ingredients (oz) makes 12
$80 z$ butter
$60 z$ sugar
1002 plain flour
Convert the measurements given in ounces into grams:

## Recipes

The first page in Lucy's grandma's book has a list of ingredients for making shortbread.

Shortbread Ingredients (oz) makes 12
$80 z$ butter
602 sugar 1002 plain flour

Convert the measurements given in ounces into grams:

## Recipes

Lucy found a recipe for chocolate

$$
1 \mathrm{oz} \approx 28 \mathrm{~g}
$$ cake. She wants to make 24 cakes so she can bring them in to share with her class.

Cake Ingredients

Cake
Ingredients (g) makes 24

168 g caster sugar 252 g butter 616 g plain flour 4½ oz butter 1102 plain flour

Write a list to show the ingredients in grams.

## Pounds, Grams and Kilograms

We usually measure certain objects in either pounds or kilograms.


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## Pounds, Grams and Kilograms

$$
11 \mathrm{~b} \approx 450 \mathrm{~g}
$$



## Pounds, Grams and Kilograms

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1 \mathrm{~kg} \approx 2.2 \mathrm{lb}
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## Mass Problems

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1 \mathrm{oz} \approx 28 \text { grams } \quad 1 \mathrm{lb} \approx 450 \mathrm{~g} \quad 1 \mathrm{~kg} \approx 2.2 \mathrm{lb}
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## $1 \mathrm{lb} \approx 450 \mathrm{~g} \times 6=2700 \mathrm{~g}$ $2700 \mathrm{~g}=2.7 \mathrm{~kg}$

$2.7 \mathrm{~kg}+2.5 \mathrm{~kg}=5.2 \mathrm{~kg}$

Aran's mass now is 5.2 kg .

