

Cupcakes recipe



Family Maths
Toolkit

Here is a recipe for 12 cupcakes:

Ingredients

- 110g/4oz butter or margarine (softened)
- 110g/4oz caster sugar
- 2 eggs, lightly beaten
- 1 tsp vanilla extract
- 110g/4oz self-raising flour

For the buttercream:

140g /5oz butter, softened; 280g/10oz icing sugar;
1-2 tbsp milk; a few drops of food colouring

Talk about the abbreviations – what does ‘g’ mean? How many grams in a kilogram? How much does the packet of caster sugar weigh? How much do you think 1 spoon of sugar would weigh? What is the difference between ‘tsp’ and ‘tbsp’? Would it make a difference if you muddled them up?

This recipe makes 12 cupcakes – how many would each member of your family get?

If you wanted to have a party, what would be the ingredients for 24 cakes?

How many cakes could I make if I only had 55g/2oz of butter?

Try the recipe!

Family comments:

Child comments:



Curriculum Link

Measure, compare, add and subtract mass (g/kg); the comparison of measures including simple scaling, eg. 2 times as much, connecting to multiplication.

Jungle expedition



Family Maths
Toolkit

Imagine you are on an expedition to the jungle. You come across a river which you have to cross. You and your friends swim across but you don't want to get your stuff wet. You set up a pull-line to get things over the river, but it will only take 5 kilograms of weight. You have to choose what food or drink you can pack into a bag which must weigh no more than 5 kg.

Look around your house and cupboards and decide what you would take – it cannot only be chocolate because you are in a jungle and must keep strong! What would other members of your family take?



Family comments:

Child comments:



Curriculum Link

Add and compare, add and subtract mass (g/kg); develop mathematical reasoning and ability to solve a range of problems.

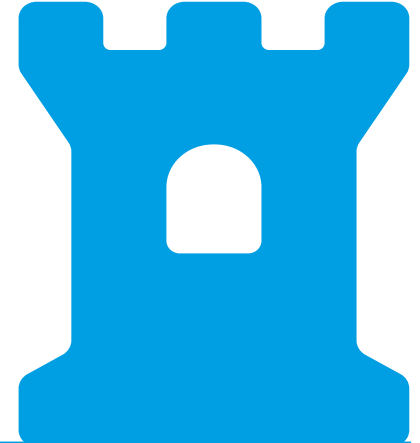
Planning a trip



Family Maths
Toolkit

**You have £100 to spend on a day out.
Where would you go? Would you take any
family members? How much would it cost?
Could you visit more than one place?**

Make up a day's plan of real places to visit and how much it would cost. Here is an example of a day out, but you can go anywhere you like! You don't have to use all your money.



Place	Who	Cost	Total
Castle	2 adults and 2 children	Adults £8.00 each Children £5.00 each	£26.00
Beach	1 adult and 2 children	Only ice-creams £2.00 each	£6.00
Zoo	2 adults and 2 children	Adults £15.00 each Children £6.00 each	£42.00
Ice skating	1 adult and 4 children	Adult £10 Children £4 each	£26.00

Family comments:

Child comments:



Curriculum Link

Add and subtract amounts of money using both £ and p in practical contexts.

A year of drinks



Family Maths
Toolkit

Choose a drink that you and your family use a lot of e.g. tea, coffee, squash.

How much do you all use in one day?

Can you estimate how often you need to replace the bottle/box/jar? Can you estimate how much your family spend on this drink in a year?



Family comments:

Child comments:



Curriculum Link

Measure and compare mass and/or capacity, solve a range of problems and develop mathematical thinking.