

Mathematics

# Proportion in context

**Downloadable resource.**

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# Try this

Zaki wants to make enough pie for **2** people.

Work out the quantities of each ingredient that Zaki will need to use.



Yasmin is cooking for **6** people.

Work out the quantities of each ingredient that she will need.



## Ingredients for bacon and egg pie

Serves 4

200 g puff pastry

2 tbsp oil

200 g bacon

2 onions

2 eggs

160 ml cream

40 g cheese



# Independent task

- 1) This is a recipe for fruit punch for six people:  
Jake made fruit punch for ten people. How many millilitres of orange juice did he use?
- 2) Philippa went on holiday to Sweden. The exchange rate is £1 to 1.2 euros (€). She exchanges £550 into euros.

a) How many euros should she receive?

Philippa returned home with 78 euros left. The new exchange rate was £1 to 1.25 euros.

b) How many pounds did she get back?

## Fruit punch

300 g chopped pineapple

1500 ml orange juice

750 ml apple juice



# Explore

The price of posting a parcel is proportional to the mass of the parcel.  
What does this mean?

Calculate the cost of sending the parcels below:



Draw a graph to represent this information.

What shape will the graph be? Why?

Write an equation linking the mass of the parcel,  $m$  kg,  
to the price, £  $P$ .

