

## Year 6 Multi step problems

**Q1.**

The **total** cost of a school trip for 12 pupils is £780

The total cost includes travel, food and hotel.

For **one** pupil, the travel cost is £27 and the food cost is £16

How much is the hotel cost for **one** pupil?

Show your method

£

2 marks

**Q2.**

The mass of a **1p** coin is 3.56 g

The mass of a **10p** coin is 6.5 g



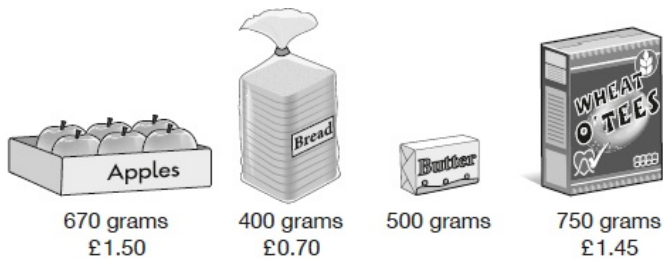
What is the **difference** in mass between £1 in 1p coins and £1 in 10p coins?

Show  
your  
method

g

2 marks

**Q3.** Chen buys these four items.



Chen pays for the four items with a £10 note. The price of the butter is not shown.  
She receives £3.85 change.

What is the price of the **butter**?

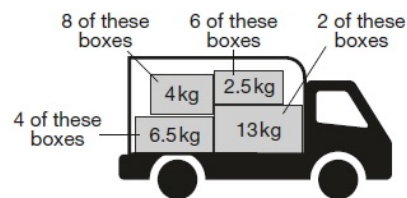
Show your method

£

2 marks

**Q4.** There are 20 boxes on a truck. The boxes are in 4 different sizes.

What is the **total mass** of the 20 boxes on the truck?



Show your method

kg

2 marks

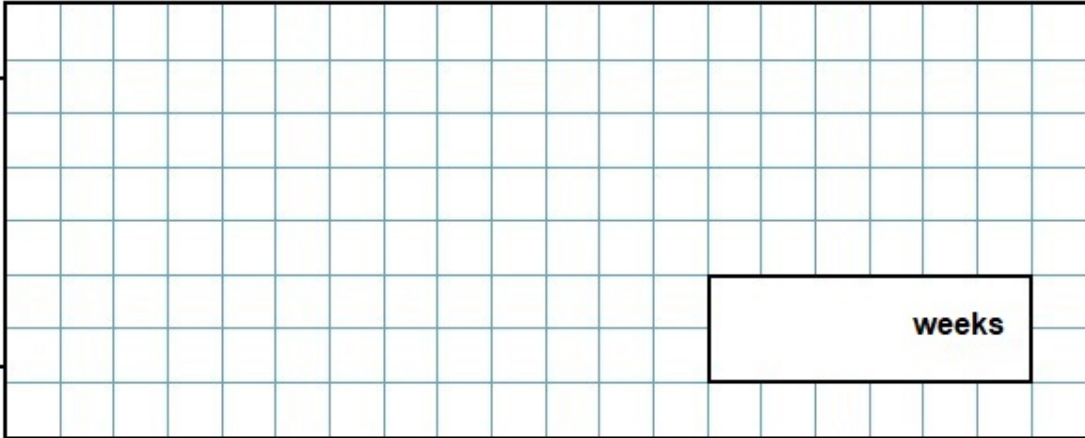
**Q5.** Layla wants to buy a camera that costs £65

For the first 10 weeks, she saves £2 each week.

Then she saves £3 each week.

How many weeks **altogether** does it take Layla to save £65?

Show your method



weeks

2 marks

**Q6.** A band holds a concert for charity.

The tickets cost £27 each.

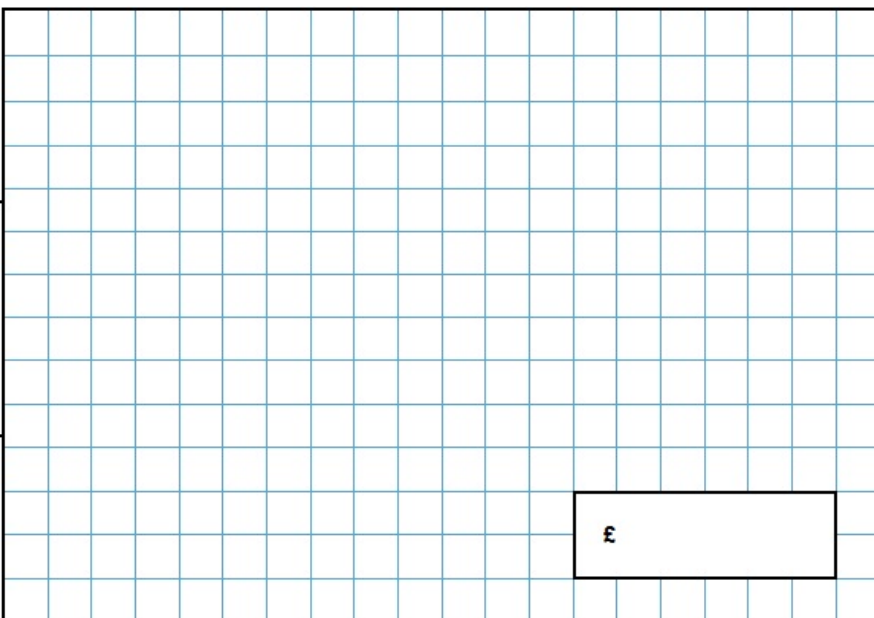
They sell 635 tickets.

They pay £3,180 to use the hall.

They give one-third of the **remaining** amount to charity.

How much money does the band give to charity?

Show your method



£

3 marks

**Q7.**

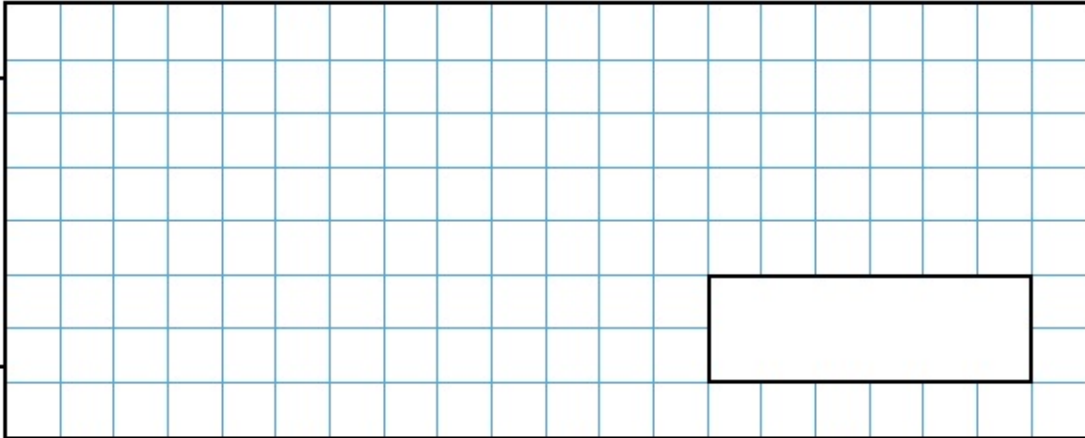
The manager of a flower shop orders 4 boxes of red roses.

There are 50 roses in each box.

The manager makes bunches with 6 roses in each bunch.

What is the **greatest** number of bunches that can be made?

Show your method



2 marks

**Q8.**

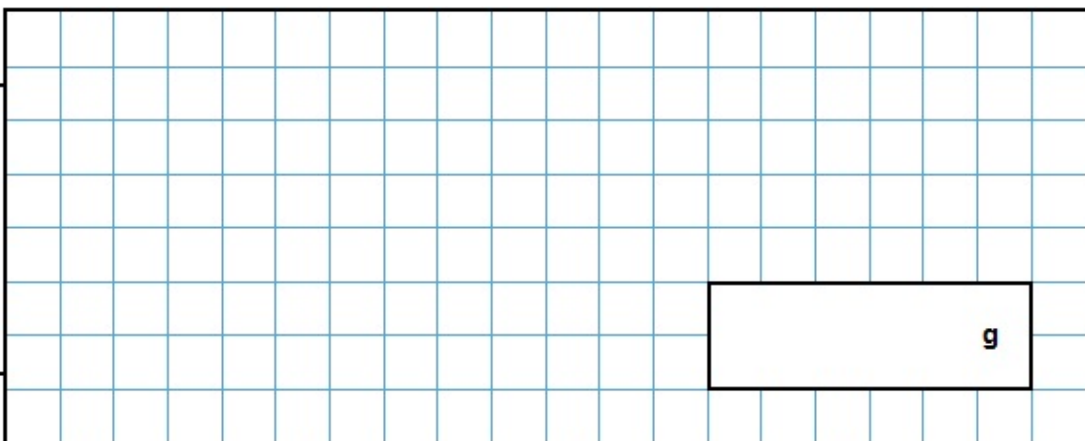
A box of 24 chocolate eggs has a mass of **870 grams**.

The empty box has a mass of **30 grams**.



What is the mass of **one** chocolate egg?

Show your method

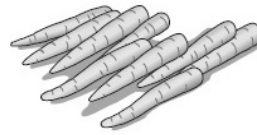


2 marks

**Q9.** These are the prices of some vegetables in a shop.



**Mushrooms**  
**£3.20 for 1 kg**



**Carrots**  
**60p for 1 kg**

Layla buys **500 grams** of mushrooms and  $1\frac{1}{4}$  kg of carrots.

She pays with a **£5** note.

How much change does Layla get?

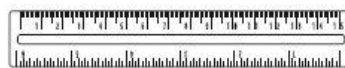
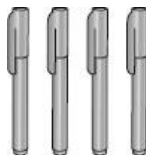
Show  
your  
method

£

2 marks

**Q10.** Adam buys 4 pens and a ruler and pays £4.75 altogether.

Jack buys 2 pens and pays £1.98 altogether.



How much does a **ruler** cost?

Show  
your  
method

2 marks