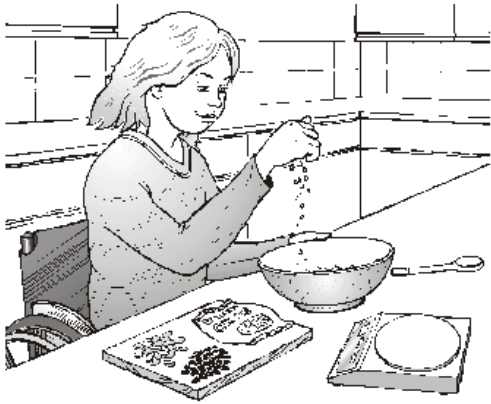# testbase

Ratio and Proportion

Year 6

Calculating percentages
(6R2)

If you know **40%** of a number, explain how you could work out the original number.

Emily makes 250 grams of a snack mixture.

15% of the weight is raisins, 25% is banana chips and the rest is peanuts.
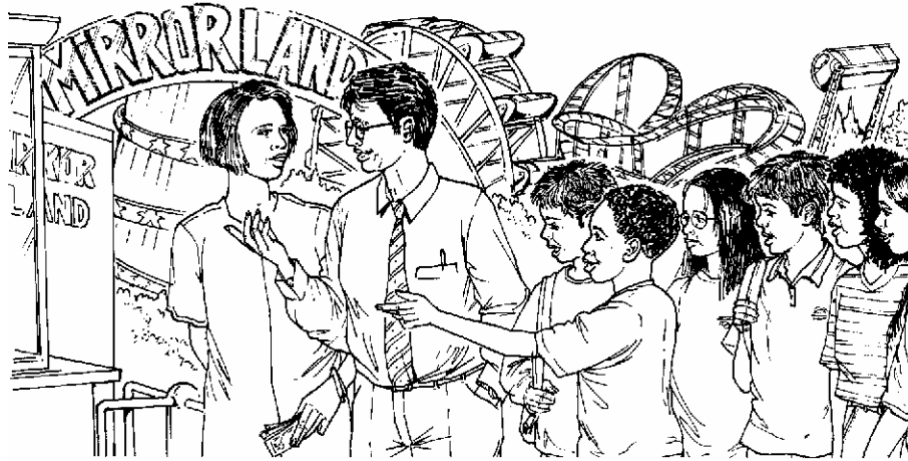
How many grams of **peanuts** does she use?

Work out the missing values.

10 % of 84 =	
5% of 84 =	
$2\frac{1}{2}$ % of 84 =	

The cost of a CD player is £84 **plus** 17 ½ % tax

What is the **total** cost of the CD player?

£

250 000 people visited a theme park in one year.
15% of the people visited in April and
40% of the people visited in August.

How many people visited the park in the rest of the year?

Which is bigger?

42% of £47.50   or $\dfrac{3}{7}$ of £47.50

On a farm **80** sheep gave birth.

30% of the sheep gave birth to two lambs.
The rest of the sheep gave birth to just one lamb.

In total, how many lambs were born?

- If you know 40% of a number, explain how you could work out the original number.

'You multiply by 2.5'
'Divide by 4 to get 10% and then multiply by 10'

'Double it and add half of it'.

'Halve it and multiply by 5'

- How many grams of peanuts does she use? = 150g peanuts

10 % of 84 =	8.4
5% of 84 =	4.2
2 % of 84 =	1.68

- What is the total cost of the CD player = £98.70
- How many people visited the park in the rest of the year? = 112 500
- Which is bigger? = 3/7 of 47.50
- In total, how many lambs were born? = 104