



Solving word problems (4)

- Solve problems involving addition, subtraction, multiplication and division
- Interpret remainders according to the context

Challenge 1

Multiply each pair of numbers to find the number above. The first one has been done for you.

a	9.6	b	\square	c	\square	d	\square	e	\square
	8 1.2		7 0.9		6 0.08		9 3.7		4.3 6
f	\square	g	\square	h	\square	i	\square	j	\square
	14 0.07		52 0.3		19 0.09		30 0.8		6.5 6
k	\square	l	\square	m	\square	n	\square	o	\square
	26 0.07		38 0.3		11 0.11		25 0.07		9.8 0.1

Challenge 2

Use the information below to work out the answer to each of these questions, rounding your answers where appropriate. Remember to use estimation to check your answers.



Biscuits:
£5.26 box



Chocolates:
£4.58 box



Pizza:
£9.38 each



Apples:
£1.47 pack of 3



Cupcakes:
£2.56 each



Soft drinks pack of 6:
£4.28

- a Holly buys one dozen cupcakes. What is the total cost?
- b Cupcakes are sold in packs of a dozen. The bakery department has 2308 cupcakes to sell. How many packs can they make?
- c If you buy 14 boxes of biscuits and 25 boxes of chocolates, how much do you spend?
- d How much less does a box of chocolates cost than a box of biscuits?
- e Gemma has invited 73 people to a party.
 - i How many packs of soft drinks will she need to buy so that each guest can have one can?
 - ii How much will she pay for these packs in total?
- f If you buy 2 dozen apples altogether, what is the total cost?
- g If you buy one of each item, how much money will you need?
- h How much change from £100 would you receive if you bought 37 cupcakes?
- i If you buy one pizza you get another one half price. If you buy 6 pizzas and pay with a £50 note, how much change will you receive?
- j Apples come in packs of 3. Jerzy is making 13 apple pies and needs 4 apples for each pie.
 - i How many packs does he need to buy?
 - ii How much will he pay in total?
- k A pack of one dozen cupcakes costs £25. How much money would you save by buying them in a pack rather than as 12 single items?
- l There are 439 apples altogether.
 - i How many packs of 3 can be made?
 - ii If the supermarket sells half of the packs in one day, how much money would they take?

Challenge 3

Make up your own word problems to match these calculations using the items in the pictures in Challenge 2.

- a $20 - (12 \times £1.47)$
- b $(£4.28 \div 4) \times 6$
- c $(10\% \times £5.26) \times 6$
- d $£2.56 \times 12 + £4.58 \times 11 + £4.28 \times 6$
- e $£100 \div £9.38$
- f $£50 < \square \times £1.47$

