Solve multi-step problems

1 There are 12 sweets in a bag.

A group of friends has 16 bags of sweets.

a) If they eat 9 sweets, how many sweets will they have left?

b) If they eat 9 bags of sweets, how many sweets will they have left?

2 Ron and Mo are saving up to buy a new games console.

Ron saves £3 every week.

Mo saves £4 every week.

a) How much will they have saved altogether after 13 weeks?

£

b) The games console costs £343

How long will it take Ron and Mo to save enough money?

weeks

3 A school buys textbooks in boxes of 24

The school has 561 textbooks.

45 textbooks are given out.

How many full boxes of textbooks does the school have left?

4 A car travels 13 miles in 15 minutes.

How far will the car travel in 3 hours if it travels at the same speed?

miles

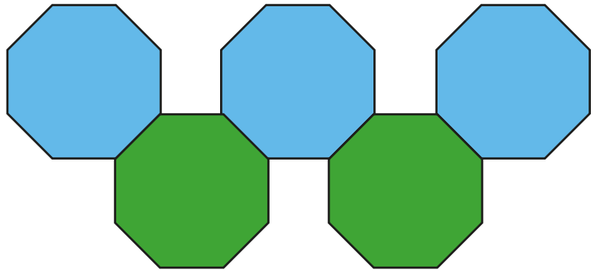
5 Nijah is playing a game of marbles with 8 friends.

They have 3 bags of marbles.

Each bag contains 123 marbles.

How many marbles do they each get if the marbles are shared equally between them?

6 A pattern is made up of regular octagons that are all the same size.



The perimeter of the whole pattern is 640 cm.

What is the perimeter of each octagon?

cm

7 Bottles of water can be bought in packs of either 6 or 9

A school needs to buy enough water for 268 pupils for Sports Day.

A pack of 6 bottles costs £4

A pack of 9 bottles costs £5

Is it cheaper to buy only packs of 6 bottles or only packs of 9 bottles?

How much cheaper?

£

8 On each page of sticker book A, there are 5 columns and 12 rows.

There are 6 pages in sticker book A.

On each page of sticker book B, there are 9 columns and 16 rows.

There are 8 pages in sticker book B.

When both sticker books are full, how many more stickers does book B hold than book A?

9

12	3	5	32	50	8	1

+	−	×	÷

Use the cards to make the number 120 in different ways.

You can use each number card once only in each calculation.

You can use each operation as many times as you want.

Each calculation should involve a multiplication and/or a division.

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