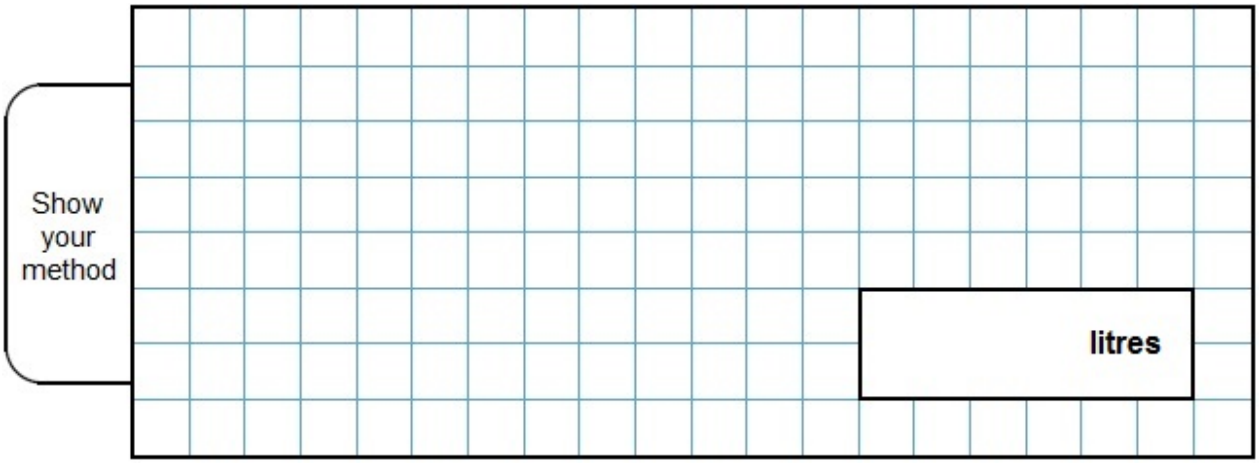
1 A machine pours 250 millilitres of juice every 4 seconds.

How many **litres** of juice does the machine pour every **minute**?

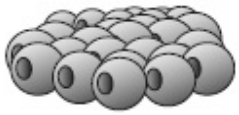


2 marks

2 Layla makes jewellery to sell at a school fair.

Each bracelet has **53** beads.

She makes **68** bracelets.



Each necklace has **105** beads.

She makes **34** necklaces.

How many beads does Layla use **altogether?**

Show your method

beads

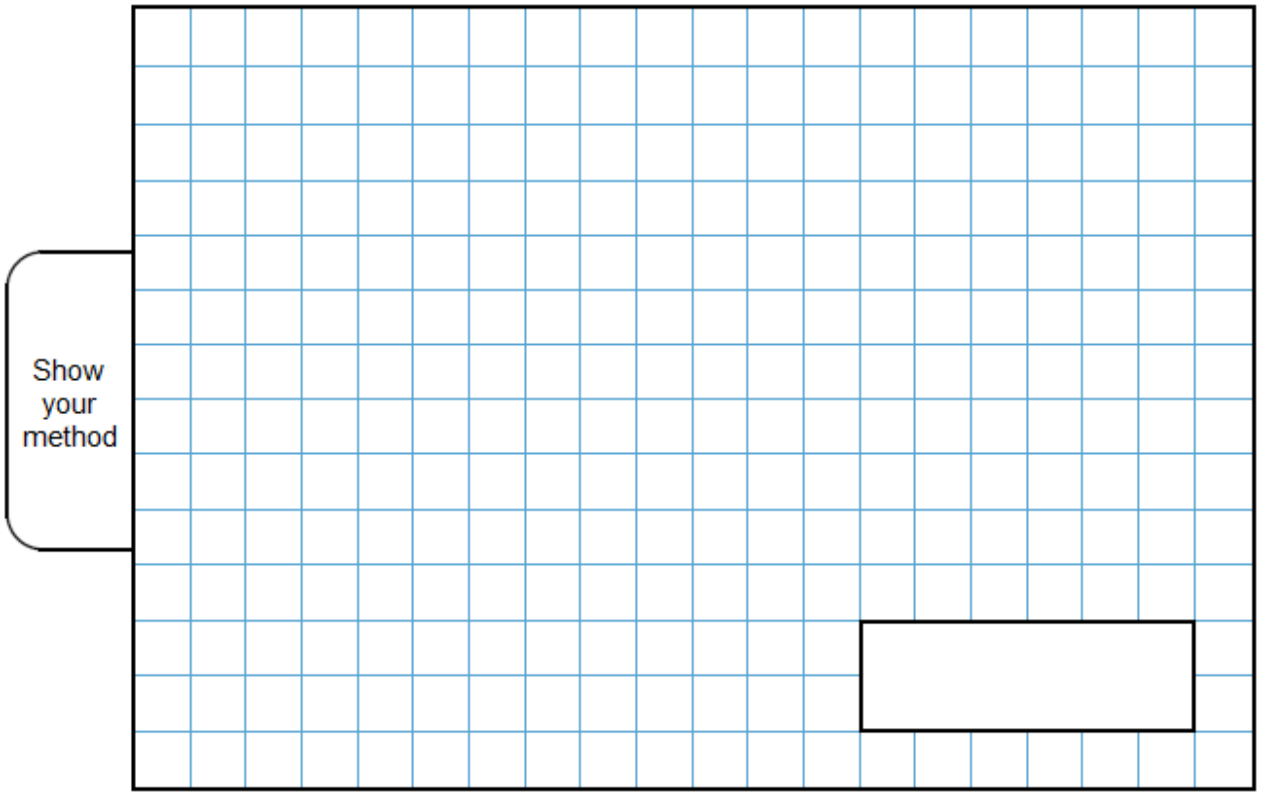
3 marks

3 There are 28 pupils in a class.

The teacher has 8 litres of orange juice.

She pours 225 millilitres of orange juice for every pupil.

How much orange juice is left over?

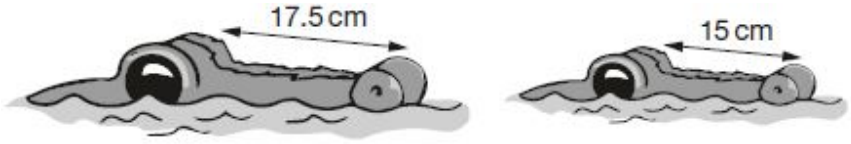


3 marks

4 The length of an alligator can be estimated by:

- measuring the distance from its eyes to its nose
- then multiplying that distance by 12

What is the **difference** in the estimated lengths of these two alligators?



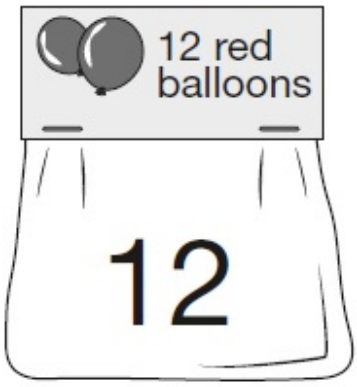
Not to scale

Show your method

cm

2 marks

5



Adam buys **6** bags of white balloons.

Chen buys **3** bags of red balloons.

Adam says,

'I have four times as many balloons as Chen.'

Explain why Adam is correct.

1 mark

6

Circle two numbers that multiply together to equal **1 million**.

200 2,000 5,000 50,000

1 mark

7 Write the two missing digits to make this **long multiplication** correct.

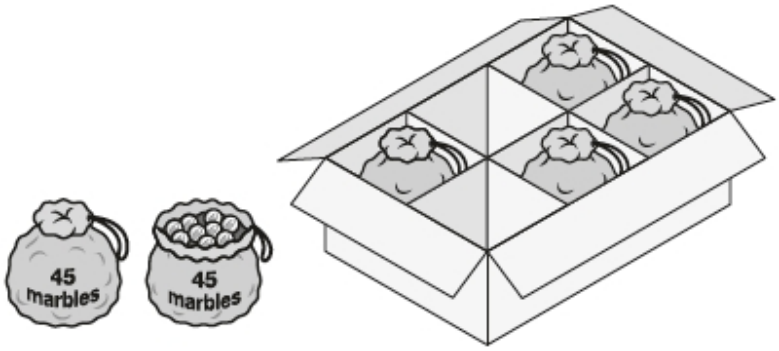
$$\begin{array}{rrrr} & & 4 & \square \\ \times & & \square & 6 \\ \hline & 2 & 4 & 6 \\ & 8 & 2 & 0 \\ \hline 1 & 0 & 6 & 6 \end{array}$$

2 marks

8 A toy shop orders 11 boxes of marbles.

Each box contains 6 bags of marbles.

Each bag contains 45 marbles.



How many **marbles** does the shop order in total?

Show your method

marbles

2 marks

9 Write what the **three** missing digits could be in this calculation.

$$\square\square \times \square = 378$$

1 mark

10 Forest School sells badges for charity.

For each badge sold, **£1.20** is given to a charity.

How much does the charity get when **12** badges are sold?

£ ____

1 mark

If the charity got **£24**, how many badges were sold?

____

1 mark

11 Dev thinks of a **whole** number.

He multiplies it by 4

He rounds his answer to the nearest 10

The result is 50

Write **all** the possible numbers that Dev could have started with.

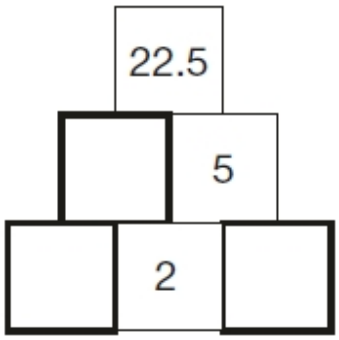
_____

2 marks

12 Here is a number pyramid.

The number in a box is the **product** of the two numbers below it.

Write the missing numbers.



2 marks

13 Write the missing number.

$$70 \div \square = 3.5$$

1 mark

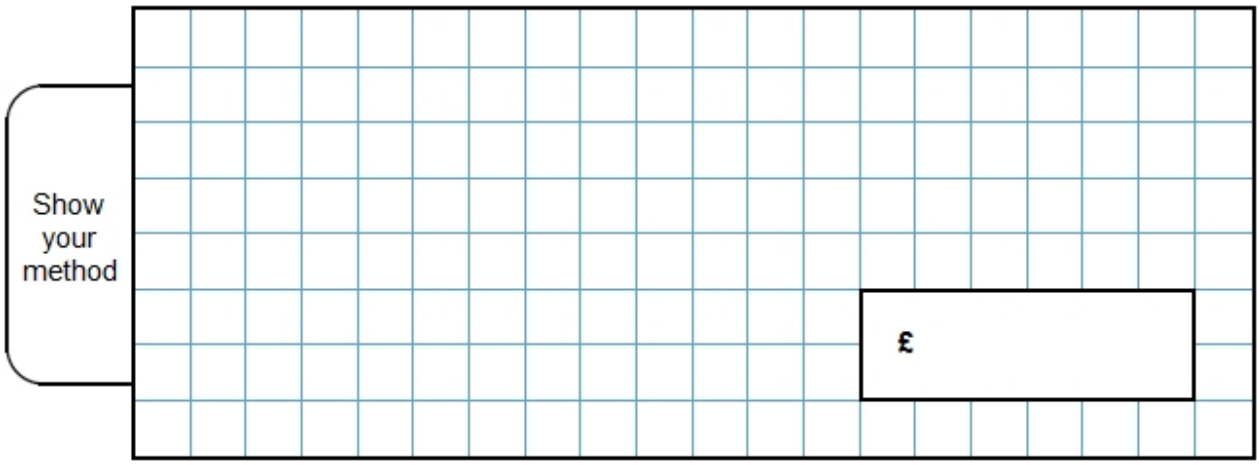
14 Large pizzas cost £8.50 each.

Small pizzas cost £6.75 each.

Five children together buy one large pizza and three small pizzas.

They share the cost equally.

How much does each child pay?



2 marks

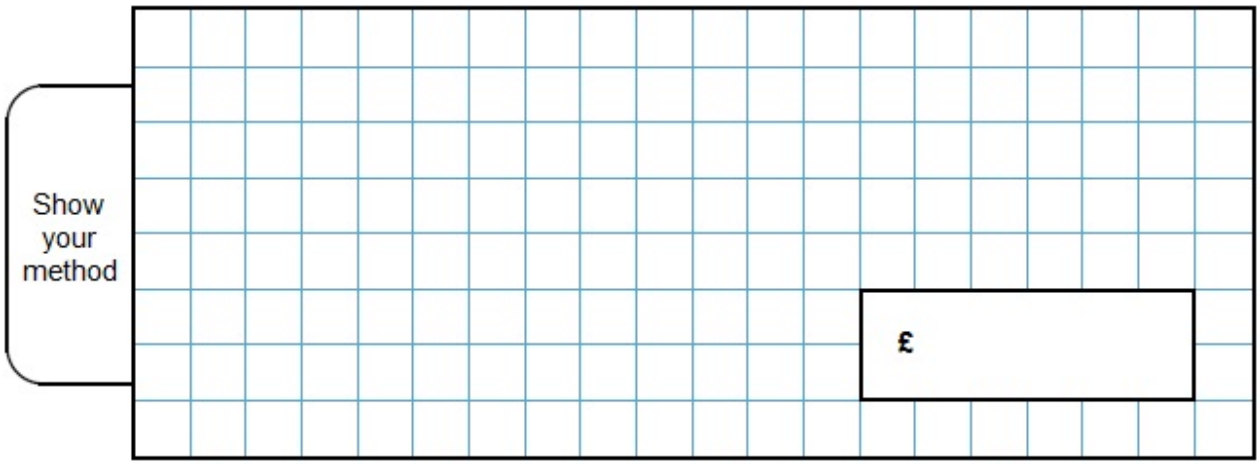
15 Amina posts three large letters.

The postage costs the same for each letter.

She pays with a £ 20 note.

Her change is £14.96

What is the cost of posting **one** letter?

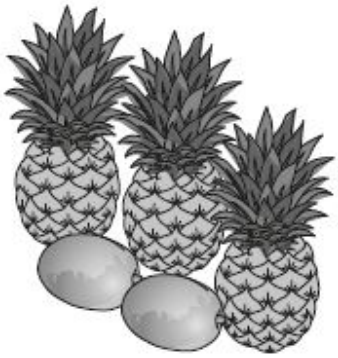


2 marks

16

3 pineapples cost the same as 2 mangoes.

One mango costs £1.35



How much does **one** pineapple cost?

Show your method

£

2 marks