



Maths

Just a few short activities will mean that you return ready to learn and raring to go! This booklet is designed to keep your brains 'ticking over' during the termly break.

week off. Try to really impress your teacher by completing one challenge for each day of the

Circle any questions that you'd like some more help with when term starts again.

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# **Day 1**Arithmetic Questions

ω

=407,035+5,000

23 x 45

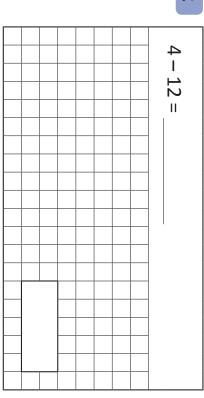
1 mark

1 mark

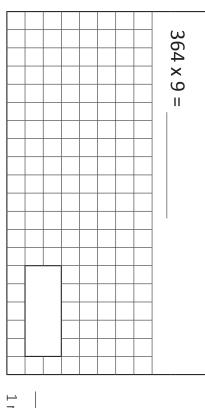
<sub>U</sub>

560 ÷ 7 =

1 mark

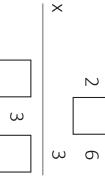


1 mark



L	_
4	

Fill in the **missing** digits in this calculation.



Here is a number sentence:

sentence correct. Circle all the numbers below that make the number

Emily chose a number.

She halved the number then added ten to the result.

Her answer was thirty-five.

What was the number she started with?



### Day 1

## Reasoning Questions

1 mark

the rule given. Complete the table below by rounding each number following

			350,123
			679,099
			100,759
			345,281
nearest 100,000.	nearest 1,000.	nearest 10.	Number
Rounded to the	Rounded to the	Rounded to the	Starting

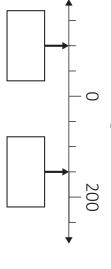
<sub>U</sub>

1 mark

2 marks

Here is part of a number line.

Write the missing numbers in the boxes.



1 mark



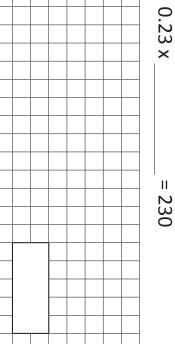
# **Day 2**Arithmetic Questions

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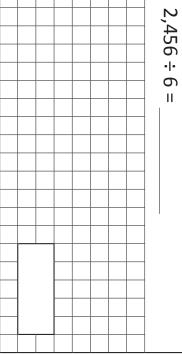
1 mark

ω

0.23 x

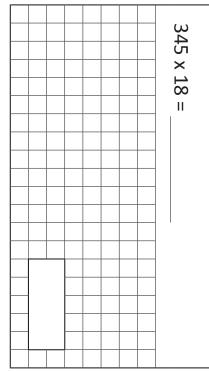


1 mark



1 mark

2



1 mark

recorded in different cities around the world The table below shows the highest and lowest temperatures

City	Day time temperature °C	Night time temperature °C
London	21	14
Paris	11	-4
Madrid	27	2
New York	38	-12

In the supermarket storeroom, there are

- 7 boxes of tomato soup
- 5 boxes of peas soup
- 4 boxes of chicken soup

There are 24 tins in every box.

How many tins of soup are there altogether?

partners in excellence

### Day 2

## Reasoning Questions

ω

$$3 \div 7 = 321^{\circ}6$$

What digit goes in the missing box? Prove it.

1 mark

Circle the number that is 100 times greater than 406.

406

460

1 mark

4600

40600

4060 46000

1 mark

The diagram is made of squares.

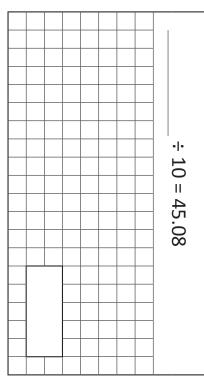
What fraction of the diagram is shaded?



1 mark



# **Day 3**Arithmetic Questions



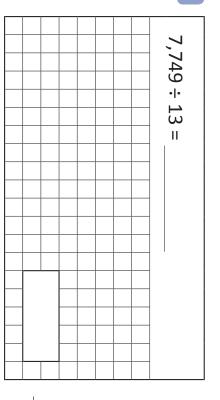
1 mark

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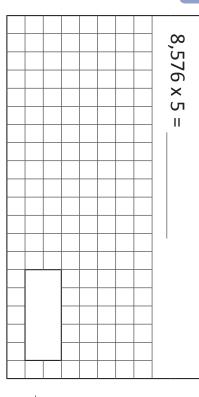
1 mark

ω

1 mark



1 mark



Here are three supermarket bills.



a. Tom rounds each bill to nearest £10 and adds them up. What is the total amount that Tom gets?

b. Mary adds up the three bills exactly. What is the total difference between her and Tom's total? 1 mark

1 mark

an even number of factors? Circle the correct answer Is it always, sometimes or never true that a square number has

Always Sometimes Never

Explain.

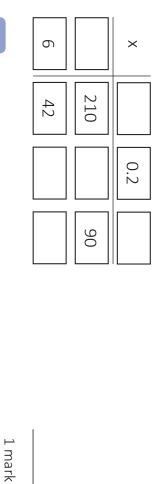


### Day 3

## **Reasoning Questions**

ω

Write the missing numbers to make the multiplication grid correct.



4

value Draw two more lines to match 3500 to numbers with the same

3500 3500 ones 350 tens 350 hundreds 35 tens 35 hundreds 1 mark

G

Circle all the numbers that are factors of 120.

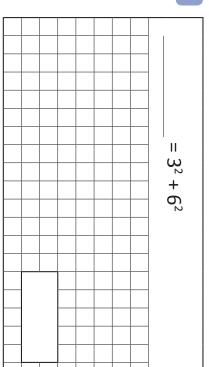


# **Day 4**Arithmetic Questions

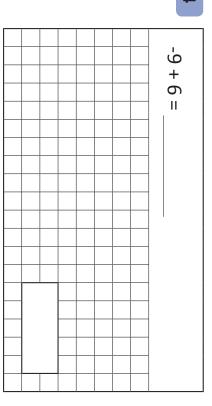
5 x 8 x 3 =

1 mark

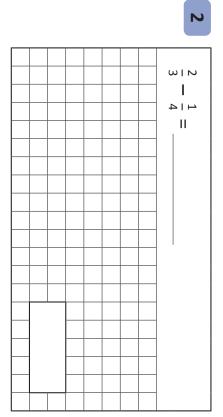
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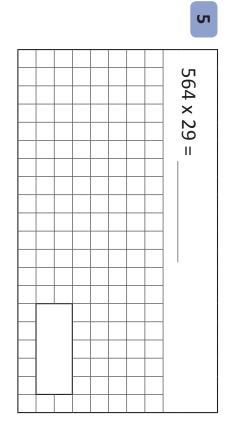
1 mark



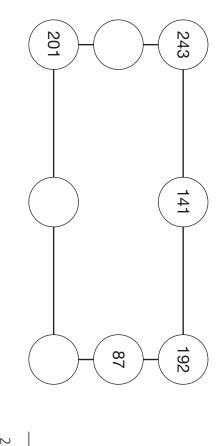
1 mark



1 mark



Each side of the square has a total of 576. Write in the missing values in the circles below.



2 marks

2

The numbers in this sequence increase by 3 each time.

2, 5, 8, 11, 14

The sequence continues in the same way. Will the number 333 be in the sequence?

Circle
Yes
or
N <sub>o</sub>
Explain how vou know.

1 mark



### Day 4

## Reasoning Questions

W

Mr Smith is looking at the prices of 5 mansions. He wants to look at mansions costing between £885,000 and £1,150,000. Write the letters of the mansions he looks at.

£885,100	А
£1,602,000	В
£1,108,000	С
£897,990	D
£1,510,000	Е
£1,015,000	F

4

1 mark

The perimeter of a rectangular garden is between 40 and 50 metres. What could the dimensions of the garden be?

and

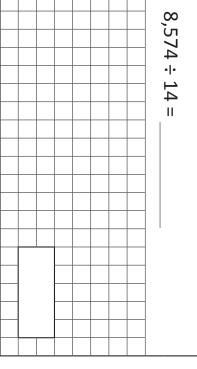
1 mark

G

A bar of chocolate has 24 pieces. Alan eats 3 bits, Emily eats 8 bits and Tony eats 9 bits. What fraction of the chocolate bar is left? Write the answer in its simplest form.

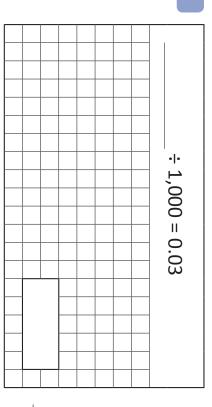


# **Day 5**Arithmetic Questions

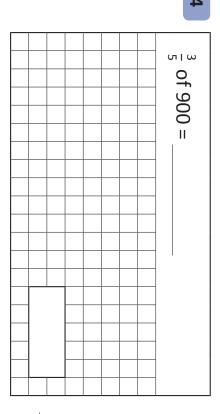


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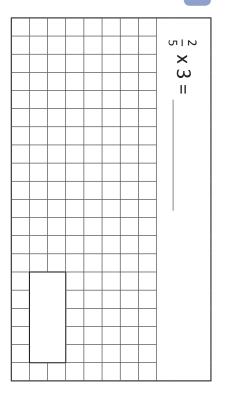
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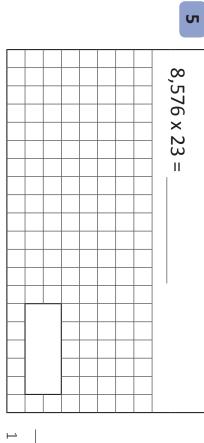
1 mark



1 mark



1 mark



How much money did he have left? Joshua was given £24 birthday money. He spent  $\frac{2}{8}$  on Monday.

organises them 22 chairs per row, how many rows will he need A school hall needs to lay out 1418 chairs. If the caretaker 1 mark

to lay out?

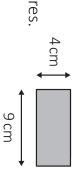
Find the values of the three different shapes in the puzzle below.

$$\begin{array}{c} + \\ + \\ + \\ = 24 \\ \end{array}$$

### Day 5

## **Reasoning Questions**

Each one is 4 centimetres by 9 centimetres. Kim has some rectangular tiles.



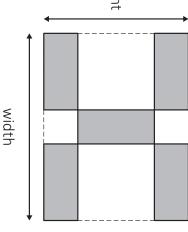
height

1 mark

a design

She makes

with them.



Calculate the width and height of her design.

1 mark

G

I think of a number. I subtract 25 and add 2.

I then multiply by 2. My answer is 154, what was my number?

1 mark