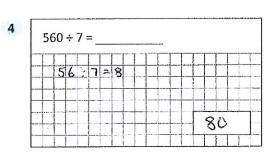


1 mark

1 <u>412,035</u>= 40<u>7</u>,035 + <u>5,000</u> <u>412,035</u>

1 mark



1 mark

Fill in the missing digits in this calculation.

1 mark

2

Here is a number sentence:

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

1 mark

3

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? 50



## Day 1

#### **Reasoning Questions**

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

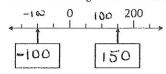
Starting Number	Rounded to the nearest 10.	Rounded to the nearest 1,000.	Rounded to the nearest 100,000.
345,281	345,280	345,000	300,000
100,759	100,760	101,000	100,000
679,099	679,100	679,000	700,000
350,123	350,120	350,000	400,000

2 marks

5

Here is part of a number line.

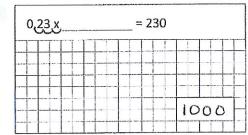
Write the missing numbers in the boxes.



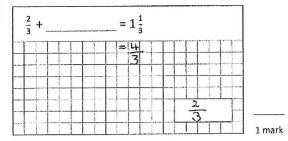


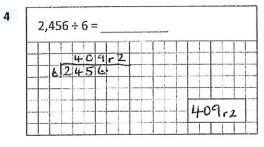
### Day 2 **Arithmetic Questions**

3



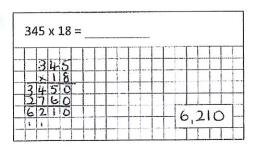
1



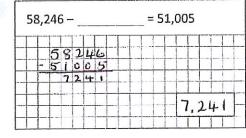


1 mark

2



5



1

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

City	Day time temperature °C	Night time ten	nperature °C
London	21	14	٦
Paris	11	-4	15
Madrid	27	2	24
New York	38	-12	50

a. Which day has the greatest difference between the day temperature and night temperature?

1 mark

b. What is the difference between the night temperatures in

Paris and Madrid? 6 \_\_L

-4 and 2

1 mark

2

In the supermarket storeroom, there are

24

7 boxes of tomato soup

240

5 boxes of peas soup 4 boxes of chicken soup

144

There are 24 tins in every box.

2/20...

How many tins of soup are there altogether? | 384

7+5+4=16

1 mark



## Day 2

#### **Reasoning Questions**

3

22 5 3 ÷ 7 = 321'6

What digit goes in the missing box? Prove it.

321 x7 = 2,247

Add the renainder 6 - 2,253

1 mark

4

Circle the number that is 100 times greater than 406.

460 406 4600

(40600

4060

46000

1 mark

5

The diagram is made of squares.

What fraction of the diagram is shaded?

5/0

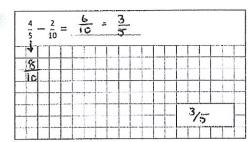


9



# **Day 3**Arithmetic Questions

3



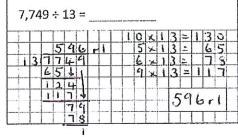
1 mark

1

	4	50	8	 - 10	) = 4	15,	90				
		1				1		+		1	-
_				1		-					1
-				-	-	+		14	+5 T	C	0.8

1 mark

4



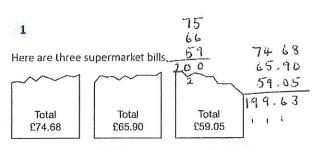
1 mark

2

3	ii	+	2	5		=	-	5	9	 -	-	-		-
U	-1							.2	·					
	7	×	6	=	6	3					T		1	

1 mark

8576 x 5 42880		8,5	57	6	х :	5 =	-											
4 28 80 2 2 3 3		П		5	E	-	,		<u> </u>	_	-	-	F	F	F	F	F	-
4 2 8 8 0 2 2 3 3	-			3	3		5					-	1			-		1
2 2 3 3			4	2	8	5	O	L.	L	L.,		_	L	1	L			ļ
			2	2	3	3	L			L			ļ.,	1	_			



a. Tom rounds each bill to nearest £10 and adds them up. What is the total amount that Tom gets? \$200

1 mark

b. Mary adds up the three bills exactly. What is the total difference between her and Tom's total? 370

200-199.63 1 mark

2

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

Always

Sometimes



Explain. with a square number, the There is an odd number of factors.

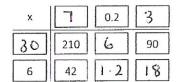


### Day 3

#### **Reasoning Questions**

3

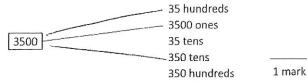
Write the missing numbers to make the multiplication grid correct.



1 mark

4

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



5

Circle all the numbers that are factors of 120.

18

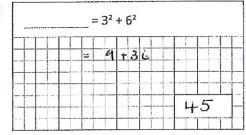


(6)



## **Day 4**Arithmetic Questions

3



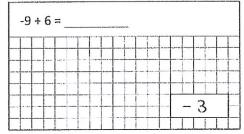
1 mar

. 1

															_
5	×	8	=	Ļ	O				 	-			_	 4	_
ij	C	*	3	=	1	2	0		 		_	-	-	 	_
			-		-	-	-	-	 -				-	$\dashv$	

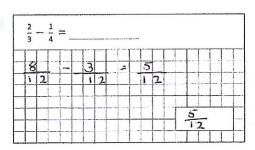
1 mark

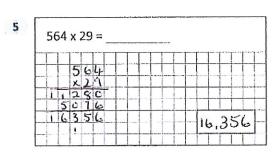
4



1 mark

2





1

297

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

2 marks

2

201

The numbers in this sequence increase by 3 each time.

78

#### 2, 5, 8, 11, 14

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

Circle Yes or (No) Explain how you know. 333 is divisible by 3. We started counting at 2, not 0.

333 + 2 would be in the sequence.

1 mark



## Day 4

#### Reasoning Questions

3

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.

A 🗸	B 74	c 🗸	0 /	ΕX	F 🗸
1010	'81-80-1 19 8 9 9.	(EEEEE	, marine		
£885,100	£1,602,000	£1,108,000	£897,990	£1,510,000	£1,015,000
	-				-

A,C,D,F

1 mark

The perimeter of a rectangular garden is between 40 and 50

metres. What could the dimensions of the garden be?

1. 20m and 2m to 21, 12, 23 or 24)

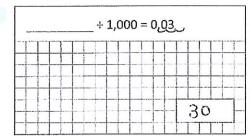
5 20 pieces eater 4 left 1

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

3



1 mark

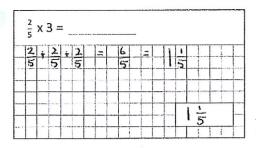
1

T		6	1	7	~	6	 1	0	¥	1	4	=	1	4	0
14	8	5	7	4				5	×	i	4	=		7	٥
1								6	4	ı	14	=		8	4
1					_		 _	2	×	1	4	#		2	3

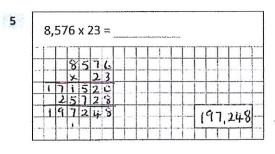
3 5	f 90	0 = _					
6	TT	TT					I
10		11		777		1-1-1	-
i	=	90	++	+++	+++	+++	+
10							1
6	=	90	x 6	+++	5	40	
10							

1 mark

2



1 mark



Joshua was given £24 birthday money. He spent How much money did he have left? | としる 1 = E12 1 = 6 24-6=18 1 mark 2

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

88

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

$$8 + 8 + 8 = 24$$

$$24 \div 3 = 8$$

$$8 + 6 = 25$$

$$25 - 8 = 17$$

$$17 - 8 = 9$$

$$17 + 8 + 9 = 34$$

= 8 []= 17 []= 9

1 mark



### Day 5 **Reasoning Questions**

4

Kim has some rectangular tiles. Each one is 4 centimetres by 9 centimetres. 9cm She makes a design with them. height

Calculate the width and height of her design.

9+4+4

5

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

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

100 
$$154 \div 2 = 77$$
  $75 + 15 = 100$   $75 - 2 = 75$   $1 \text{ mark}$