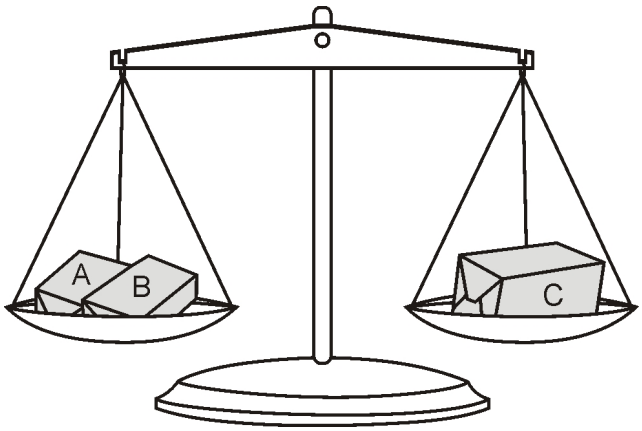
1 Write in the missing digits.

4		4	+	3	8		=	8	5	1

1 mark

2 Amir has three parcels.

Parcels A and B together weigh the same as parcel C.



The three parcels weigh 800 grams altogether.

Parcel A weighs 250g.

How much does parcel B weigh?

Show your **working**. You may get a mark.

g

2 marks

3 Nadia is working with **whole** numbers.

She says,

'If you add a two-digit number to a two digit number you cannot get a four-digit number'.

Is she correct? Circle Yes or No. **Yes / No**

Explain why.

.....

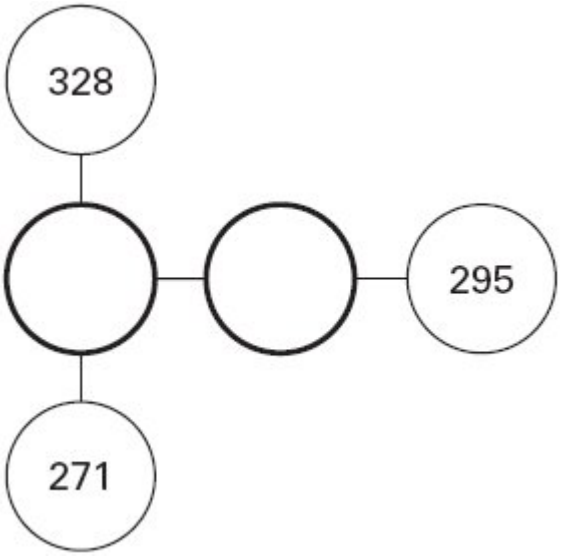
.....

.....

1 mark

4 The three numbers on **each line** add up to **763**

Write in the missing numbers.



1 mark

5 Liam has two different sizes of rectangle.

He makes this pattern with them.

Not actual size

Calculate the lengths of **A** and **B**.

A = ____ cm

1 mark

B = ____ cm

1 mark

6 3054 − 817 − 44 =

1 mark

7 Write in what the missing numbers could be.

170 + ☐ = 220 − ☐

1 mark

8

Mina has **5 more** marbles than Kirsty.

Kirsty has **2 more** marbles than Seb.

Altogether they have **30** marbles.

How many marbles does each child have?

Show your method

Mina

Kirsty

Seb

2 marks

9 A shop sells notebooks and pens.

Hassan bought **a notebook** and **a pen**.

He paid **£1.10**

Kate bought **a notebook** and **2 pens**.

She paid **£1.45**

Calculate the cost of **a notebook**.

Show your method

2 marks

Mark schemes

1

Digits written in boxes as shown:

4 **6** 4 + 38 **7** = 851

[1]

2

Award **TWO** marks for the correct answer of 150

If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg
800 ÷ 2 = 400
400 – 250 = wrong answer

*Working must be carried through to reach an answer for the award of **ONE** mark.*

Up to 2 (U1)

[2]

3

Explanation which recognises that the largest two-digit number (99) added to itself only gives a three-digit number (198), eg

- 'Because if you do 99 + 99 you only get a three-digit number';
- 'If you add any 2 two-digit numbers, you will get a three-digit number or a two-digit number'.

No mark is awarded for circling the 'Yes' alone.

***Do not** accept vague or arbitrary explanations such as*

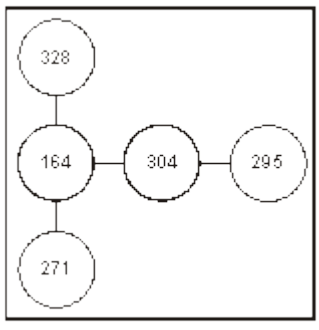
- *'The numbers aren't big enough';*
- *'It doesn't work'.*

If 'No' is circled but a correct unambiguous explanation is given then award the mark.

[1]

4

Writes 164 and 304 as shown:



***Both** numbers must be correct and in the correct order for the award of the mark.*

[1]

5

(a) 5

1

(b) 15

If the answer is incorrect, award the mark if the answers to (a) and (b) total 20

U1

[2]

6 2193

[1]

7 Any pair of numbers which total 50, eg
30 and 20

Accept fractions and decimals.

Accept zero in either box.

***Do not** accept boxes left blank.*

[1]

8 Award **TWO** marks for the correct answer of

Mina | 14 | Kristy | 9 | Seb | 7 |

If the answer is incorrect, award **ONE** mark for:

- two numbers correct

OR

- 14 **AND** 9 **AND** 7 with some or all attributed to the wrong child

OR

- evidence of appropriate working, eg

  30 – 5 + 2 = 27

  Kirsty = 27 ÷ 3 = wrong answer

  Mina = wrong answer + 5

  Seb = wrong answer – 2

  *Working must be carried through to reach an answer for the award of **ONE** mark.*

OR

- a 'trial and improvement' method, eg

  10 + 5 + 3 = 18

  20 + 15 + 13 = 48

  15 + 10 + 8 = 33

  *A 'trial and improvement' method must show evidence of improvement, but a final answer need not be reached for the award of **ONE** mark*

Up to 2
U1

[2]

9

Award **TWO** marks for the correct answer of 75p

If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg

£1.45 – £1.10 = 35p

£1.10 – 35p = wrong answer

OR

£1.10 × 2 = £2.20

£2.20 – £1.45 = wrong answer

*Accept for **ONE** mark 0.75p **OR** £75 as evidence of appropriate working.*

*Working must be carried through to reach an answer for the award of **ONE** mark.*

Up to 2 (U1)

[2]