

1

Write in the missing digits.



4		4
---	--	---

 +

3	8	
---	---	--

 =

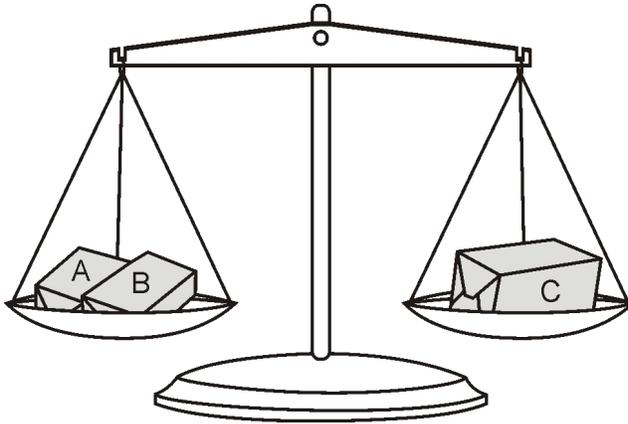
8	5	1
---	---	---

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.

9

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.

Handwritten mark

Yes / No

Explain why.

Handwritten mark

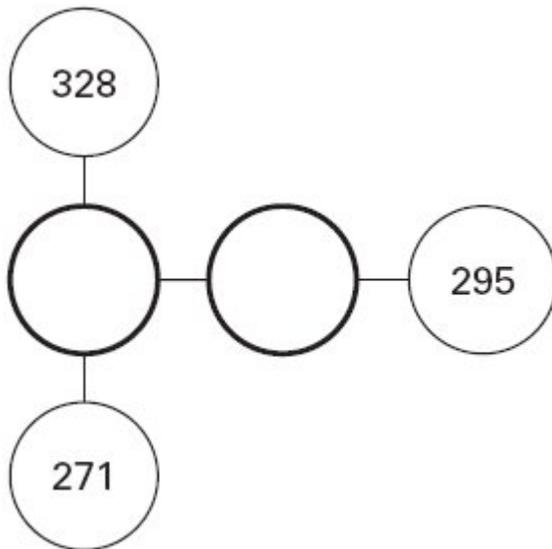
.....
.....
.....

1 mark

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

Write in the missing numbers.

Handwritten mark



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**.

Handwritten mark A = cm

1 mark

Handwritten mark B = cm

1 mark

6

$3054 - 817 - 44 =$

1 mark

7

Write in what the missing numbers could be.

Handwritten mark

$170 + \square = 220 - \square$

1 mark

Mark schemes

1

Digits written in boxes as shown:

$$4\boxed{6}4 + 38\boxed{7} = 851$$

[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

$$800 \div 2 = 400$$

$$400 - 250 = \text{wrong answer}$$

*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

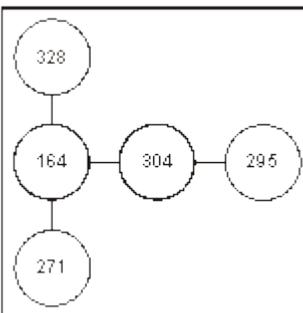
- 'The numbers aren't big enough';
- 'It doesn't work'.

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

Kristy

Seb

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

$$30 - 5 + 2 = 27$$

$$\text{Kirsty} = 27 \div 3 = \text{wrong answer}$$

$$\text{Mina} = \text{wrong answer} + 5$$

$$\text{Seb} = \text{wrong answer} - 2$$

*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

$$£1.45 - £1.10 = 35p$$

$$£1.10 - 35p = \text{wrong answer}$$

OR

$$£1.10 \times 2 = £2.20$$

$$£2.20 - £1.45 = \text{wrong answer}$$

*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]