1. Here is a number sentence.

$$\boxed{?} + 27 > 85$$

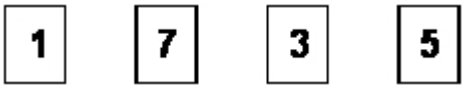
Circle **all** the numbers below that make the number sentence correct.

30 40 50 60 70

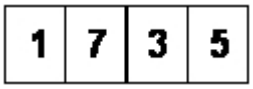
1 mark

2. **Arrangements**

Here are some number cards:



You can use each card once to make the number 1735, like this:



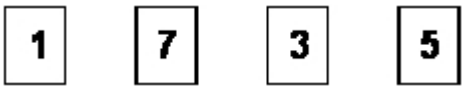
(a) What is the **biggest** number you can make with the four cards?

1 mark

(b) Explain why you **cannot** make an **even** number with the four cards.

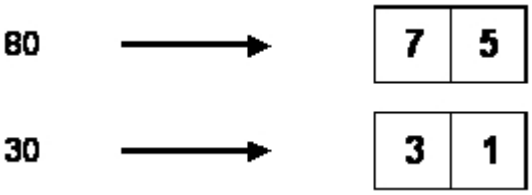
1 mark

(c)



Use some of the four number cards to make numbers that are **as close as possible** to the numbers written below.

Examples



You must **not** use the same card more than once in each answer.

50 → ☐☐

1 mark

60 → ☐☐

1 mark

4000 → ☐☐☐☐

1 mark

1500 → ☐☐☐☐

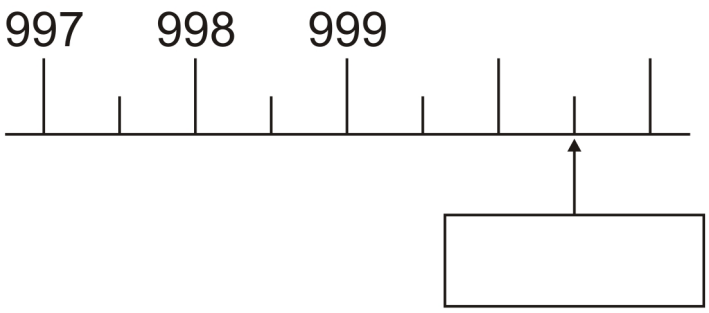
1 mark

1600 → ☐☐☐☐

1 mark

3. Here is part of a number line.

Write the number shown by the arrow.



1 mark

4. Mr Jones looks at the prices of 5 mansions.

He wants to look at mansions costing between £990 000 and £1 110 000.

Mansion for sale		
	Name	**Price**
A	Avery House	£989 990
B	Beano Hall	£1 050 000
C	Chive Castle	£1 200 900
D	Denby House	£1 105 000
E	Eve Court	£991 500

Write the letters of the mansions that he looks at.

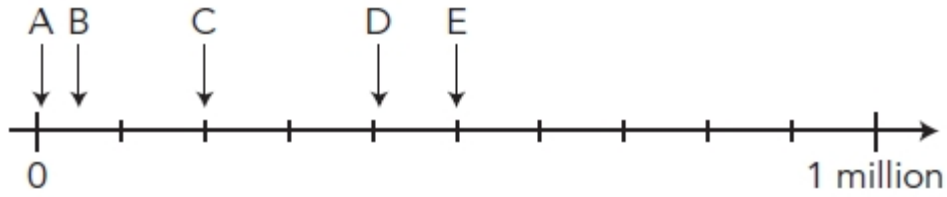
2 marks

5. Circle two different numbers which **multiply** together to make **1 million**.

10 **100** **1000** **10 000** **100 000**

1 mark

6.



Write the letter of the arrow that points to the number 50 000

..... 1 mark

Mark schemes

1. Numbers circled as shown:



Accept alternative unambiguous indications, eg numbers ticked, crossed or underlined.

[1]

2. (a) Indicates 7531

1

(b) Indicates that all the cards are odd, eg:

- You need to end in an even number.
- There isnt an even card.
- None of them are in the 2 times table.
- You cannot make an even number out of odd cards.
- There must be an even number card.

Accept 'uneven' as a term for 'odd
eg:

- *'They are all uneven numbers.'*

***Do not accept** explanations which imply that all of the cards must be even eg:*

- *'You cannot make an even number if you have an odd card.'*
- *'They are not even numbers.'*
- *'Most of them are odd.'*
- *'They must be even number cards.'*

1

(c) Indicates 51

1

Indicates 57

1

(d) Indicates 3751

1

Indicates 1537

1

Indicates 1573

1

[7]

3. 1000 ½ **OR** 1000.5

Accept the answer in words, eg

- *'1000 and a half'.*

[1]

4. **B, D, E**

2

or

Any two correct with none wrong
OR
All three correct and one wrong

Letters can be written in any order

1

[2]

5. 10 (100) 1000 (10 000) 100 000

OR

(10) 100 1000 10 000 (100 000)

Accept alternative indications such as the numbers crossed or underlined.

***Do not** accept 1000 circled twice.*

[1]

6. B

Accept unambiguous indication

[1]