

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:

1

7

3

5

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

1	7	3	5
---	---	---	---

(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)

1	7	3	5
---	---	---	---

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

Examples

80 →

7	5
---	---

30 →

3	1
---	---

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

Handwritten mark

50 →

--	--

1 mark

Handwritten mark

60 →

--	--

1 mark

Handwritten mark

4000 →

--	--	--	--

1 mark

Handwritten mark

1500 →

--	--	--	--

1 mark

Handwritten mark

1600 →

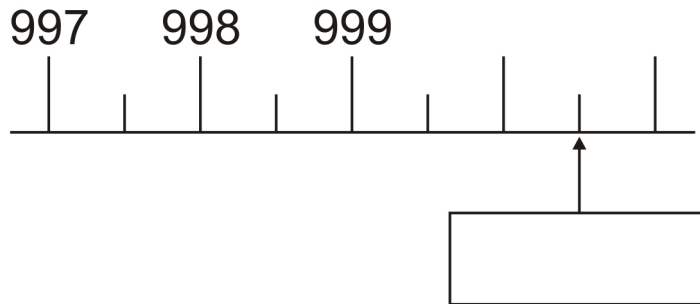
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1 mark

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

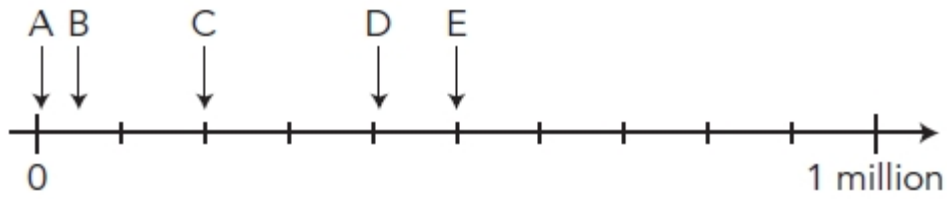
Circle two different numbers which **multiply** together to make **1 million**.



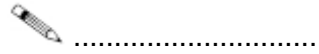
10 100 1000 10 000 100 000

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:

30 40 50 60 70

*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 $\frac{1}{2}$ **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]