

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



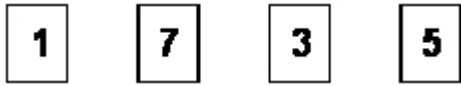
1 mark

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



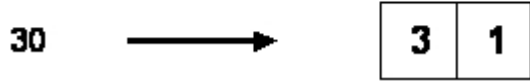
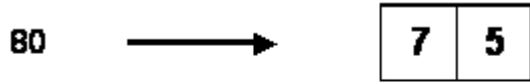
1 mark

(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.

حاجتكم



1 mark

حاجتكم



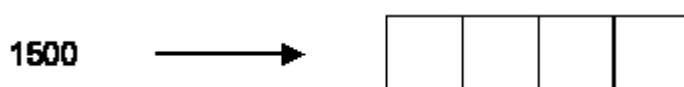
1 mark

حاجتكم



1 mark

حاجتكم



1 mark

حاجتكم

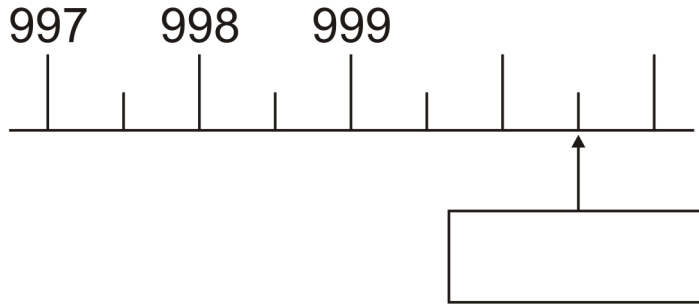


1 mark

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

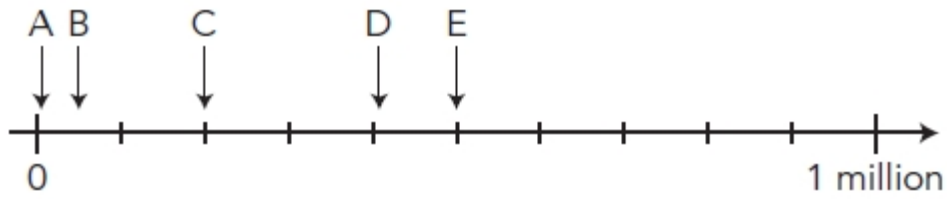
Circle two different numbers which **multiply** together to make **1 million**.



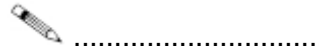
10    100    1000    10 000    100 000

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 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]

## Notes

2

Teacher's notes

Point to the examples in the question, but

**Do not** give further examples.

**Do not** explain even.

**Special arrangements:** pupils may use number cards like those illustrated to find and show their responses.