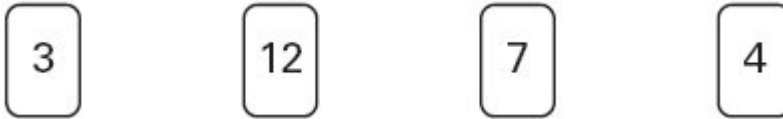


1 Here are four number cards.

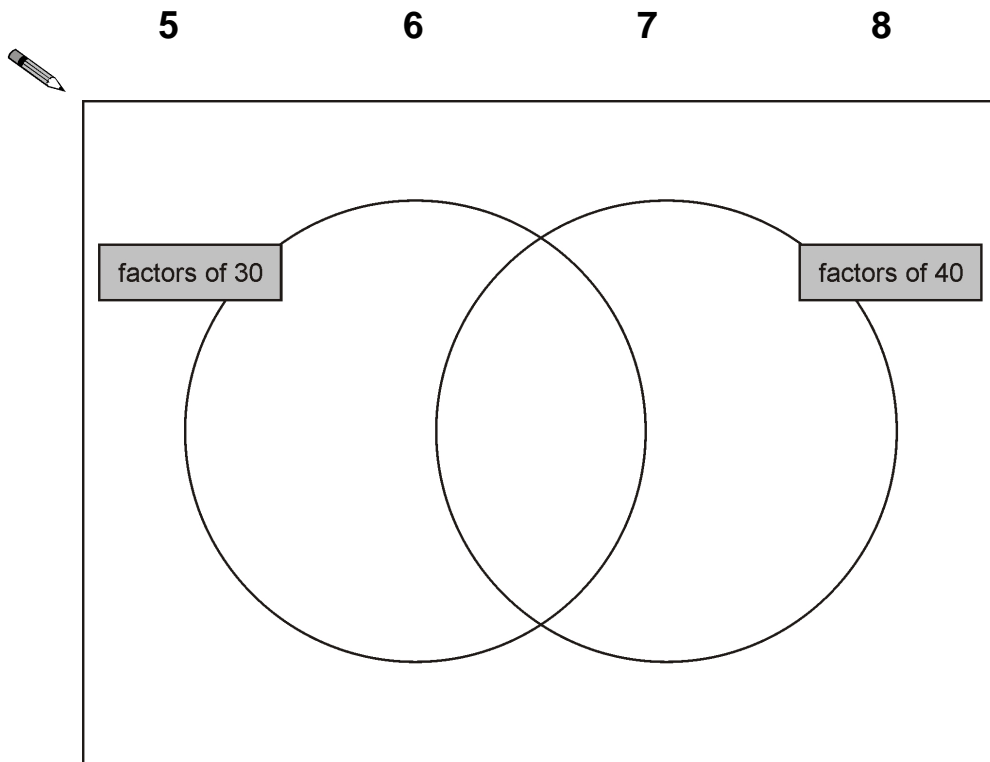


Which two number cards are **factors of 42**?



1 mark

2 Write these numbers in the correct places on the diagram.



2 marks

3 Write the missing numbers.

Factors of 20 = {1,,,,, 20}

1 mark

4 Write all the factors of 30 which are **also** factors of 20

.....

2 marks

5

Circle all the **multiples of 8** in this list of numbers.

18 32 56 68 72

1 mark

6

Here is a sorting diagram with four sections, **A**, **B**, **C** and **D**.

	multiple of 10	not a multiple of 10
multiple of 20	A	B
not a multiple of 20	C	D

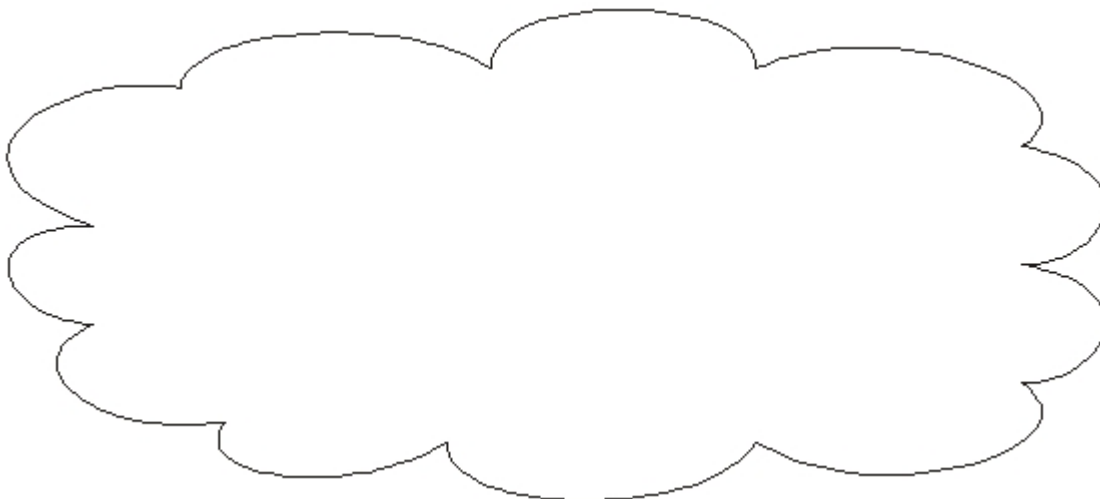
Write a number that could go in section **C**.



1 mark

Section **B** can never have any numbers in it.

Explain why.



1 mark

7

Here are six digit cards.



Use **all six** digit cards to make three multiples of 3



1 mark

8

Here is a number chart.

Circle the **smallest** number on the chart that is a multiple of **both** 2 and 7



71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

1 mark

Here is the same number chart.

Circle the **largest** number that is **not** a multiple of 2 or 3 or 5



71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

1 mark

9

Here are four labels.

even	multiples of 9	not even	not multiples of 9
------	----------------	----------	-----------------------

Write each label in the correct position on the sorting diagram below.

	72	56
	54	84
	63	49
	45	75

1 mark

10

Here is a diagram for sorting numbers.

Write **one number** in each white section of the diagram.

	less than 1000	1000 or more
multiples of 20		
not multiples of 20		

2 marks

11

The numbers in this sequence increase by 3 each time.

3 6 9 12 ...

The numbers in this sequence increase by 5 each time.

5 10 15 20 ...

Both sequences continue.

Write a number **greater than 100** which will be in **both** sequences.

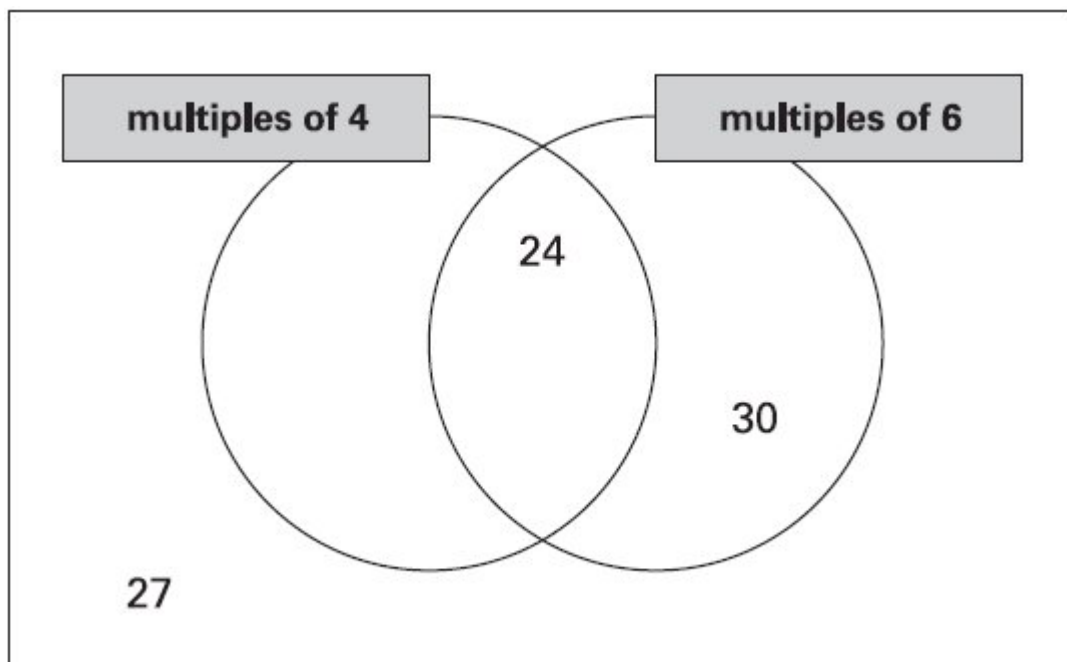
Show
your
method

2 marks

12

Write these numbers in the correct places on this sorting diagram.

16 26 36



2 marks

13

Circle **one number** on the grid which can be **divided by 9** with a **remainder of 1**.



97	98	99
107	108	109
117	118	119

1 mark