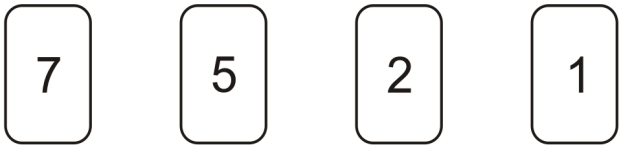
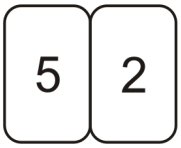
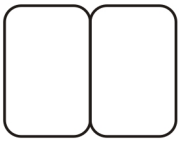
1. Here are four digit cards.

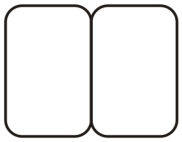


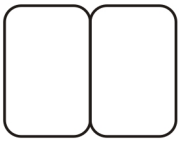
Choose two cards each time to make the following two-digit numbers.

The first one is done for you.

an even number 

a multiple of 9 

a square number 

a factor of 96 

2 marks

2. Complete this sentence.

Every number with a factor of **10** must also have factors of

1 mark

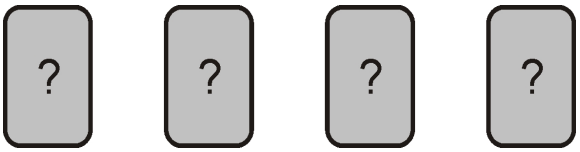
3. Write **all** the numbers between 50 and 100 that are **factors of 180**

.....

2 marks

4. Debbie has a pack of cards numbered from 1 to 20

She picks four different number cards.

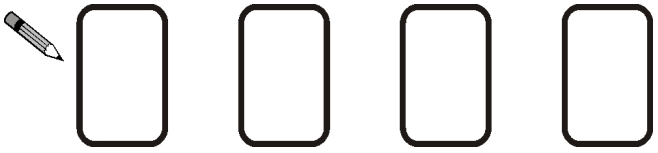


Exactly three of the four numbers are multiples of 5

Exactly three of the four numbers are even numbers.

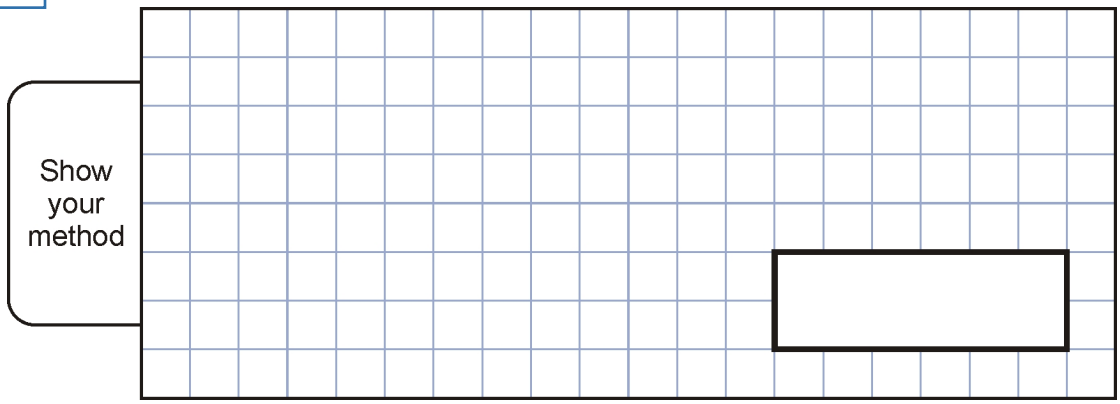
All four of the numbers add up to less than 40

Write what the numbers could be.



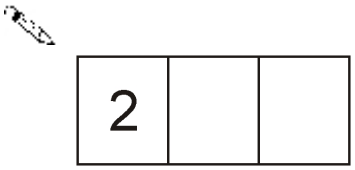
1 mark

5. Find the multiple of 45 that is closest to 8000



2 marks

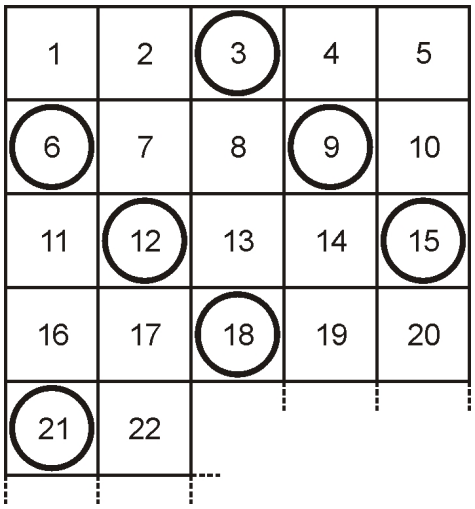
6. Complete this **three-digit** number so that it is a **multiple of 9.**



1 mark

7. Here is a number chart.

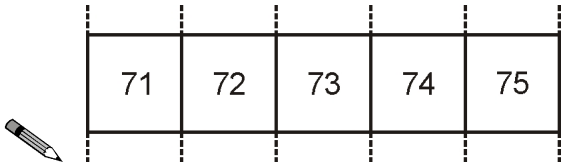
Every third number in the chart has a circle on it.



The chart continues in the same way.

Here is another row in the chart.

Draw the missing circles.

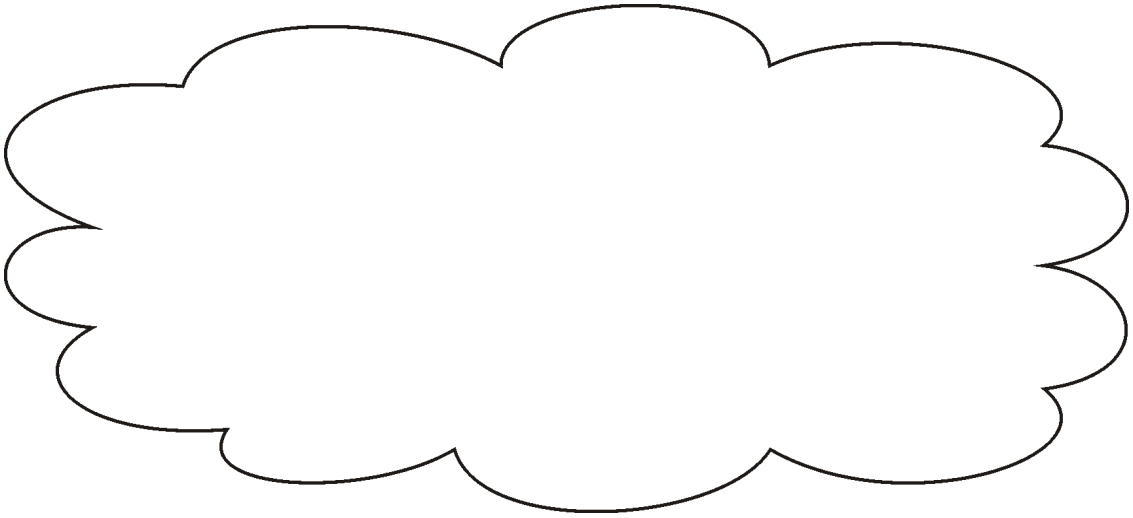


1 mark

Will the number **1003** have a circle on it?
Circle **Yes** or **No**.

Yes / No

Explain how you know.

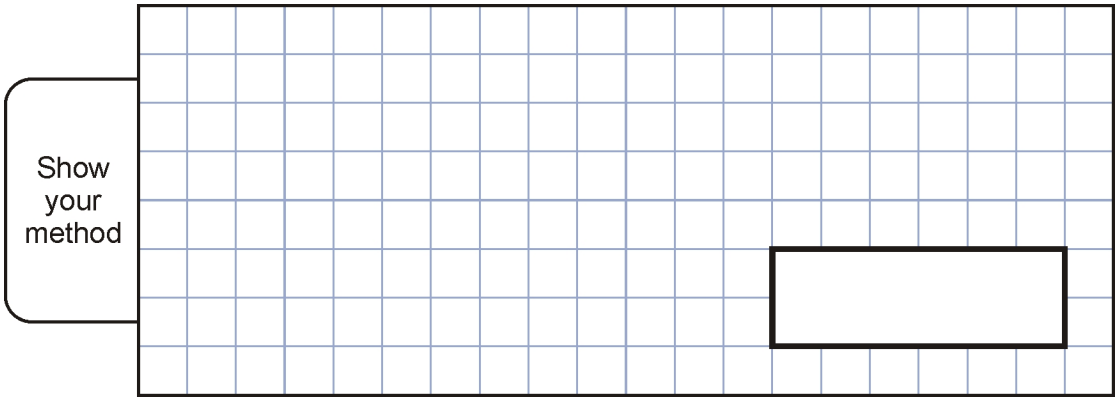


1 mark

8. 364 is a multiple of 7 but not a multiple of 3.

384 is a multiple of 3 but not a multiple of 7.

Find a number between 364 and 384 that is **both** a multiple of 7 **and** a multiple of 3.



2 marks

9. This three-digit number has **2** and **7** as **factors**.

2 9 4

Write another **three-digit** number which has **2** and **7** as **factors**.

1 mark