

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

5	2
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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



	and		and	
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1 mark

3

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



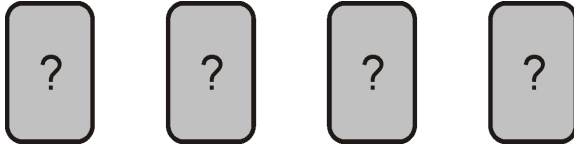
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2 marks

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

Show your method

2 marks

6

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



2		
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1 mark

7

Here is a number chart.


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

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22			

The chart continues in the same way.

Here is another row in the chart.


Draw the missing circles.



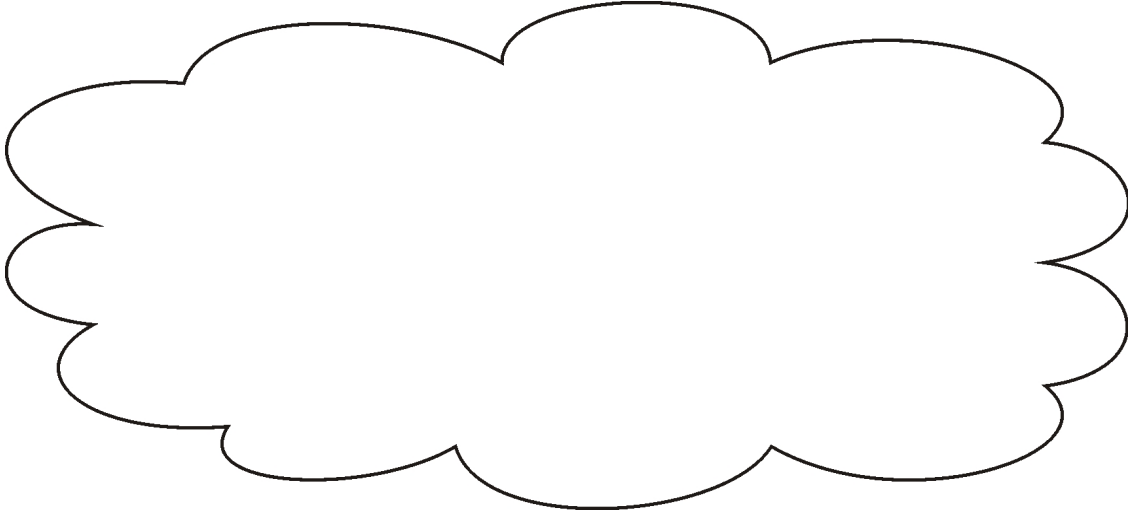
71	72	73	74	75
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1 mark

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

 Yes / No

Explain how you know.



1 mark

8

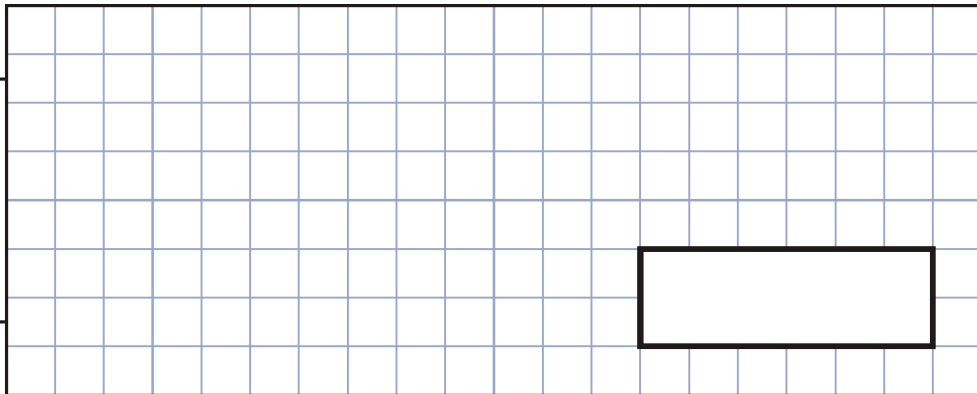
364 is a multiple of 7 but not a multiple of 3.

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.



Show
your
method



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**.

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1 mark