



# SEQUENCES

Help Code : 030

21

The numbers in this sequence increase by the same amount each time.

Write the missing numbers.









1

The numbers in this sequence increase by 14 each time.

Write the missing numbers.




82 96

124 138

23

Here is a pattern of number pairs.

<i>a</i>	<i>b</i>
1	9
2	19
3	29
4	39



Complete the **rule** for the number pattern.

$$b = \boxed{\phantom{00}} \times a - \boxed{\phantom{00}}$$

# Y6 SATs

## Sequences

Help Code : 030

# BOOSTER

### 2011A KS2 Q9



Here is part of a number sequence.

The numbers in the sequence increase by 25 each time.

50      75      100      125      ...

Circle **all** of the numbers below that will appear in the sequence.



255      650      735      900      995

### 2008A KS2 Q6



The numbers in this sequence increase by 75 each time.

Write in the two missing numbers.

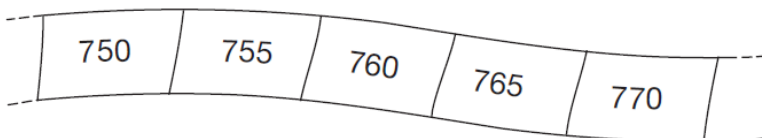
     725      800      875      950     

### 2007A KS2 Q5



Here is part of a number sequence.

The numbers increase by the same amount each time.



The sequence continues.

Circle **all** of the numbers below that would appear in the sequence.

840      905      989      1000      2051

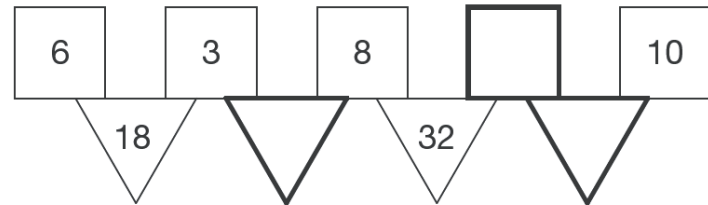
### 2010A KS2 Q18



In this diagram the rule is

*'to make the number in a triangle, multiply the numbers in the two squares above it'.*

Write in the three missing numbers.



### 2008A KS2 Q23

The numbers in this sequence increase by 7 each time.

1      8      15      22      29      ...

The sequence continues in the same way.

Will the number 777 be in the sequence?  
Circle **Yes** or **No**.



Yes / No

Explain how you know.





2006A KS2 Q15

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.

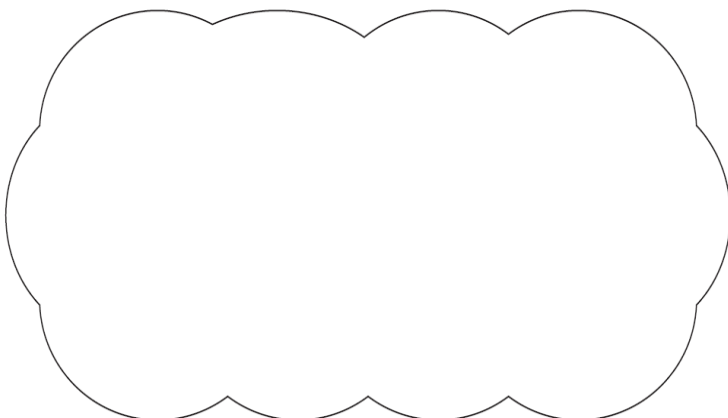
Draw the missing circles.

71	72	73	74	75
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Will the number **1003** have a circle on it?  
Circle **Yes** or **No**.

Yes / No

Explain how you know.



2003A KS2 Q10

Here is a repeating pattern of shapes.

Each shape is numbered.



The pattern continues in the same way.

Write the numbers of the next two **stars** in the pattern.



Complete this sentence.

*Shape number 35 will be a circle because ...*

.....  
.....  
.....



2003A KS2 Q17

The first two numbers in this sequence are 2.1 and 2.2

The sequence then follows the rule

*'to get the next number, add the two previous numbers'*

Write in the next two numbers in the sequence.

2.1   2.2   4.3   6.5

2002A KS2 Q20



A sequence starts at **500** and **80** is **subtracted** each time.

500    420    340 ...

The sequence continues in the same way.

Write the **first two numbers** in the sequence which are less than zero.



2000A KS2 Q20



This sequence of numbers goes up by **40** each time.

40    80    120    160    200    ...

This sequence continues.

Will the number **2140** be in the sequence? Circle Yes or No.



Yes / No

Explain how you know.

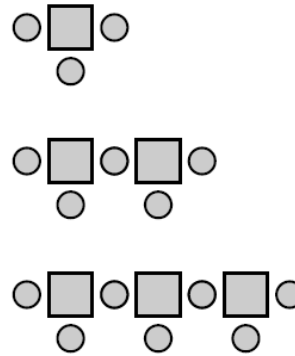


.....  
.....  
.....

2001A KS2 Q23



Here is a sequence of patterns made from squares and circles.



number of squares	number of circles
1	3
2	5
3	7

The sequence continues in the same way.

Calculate how many **squares** there will be in the pattern which has **25 circles**.



Show your **working**. You may get a mark.