

Write the missing numbers in the shapes.

1

2

3

4

5

6

The sequence continues in the same way.

Which shape would have the number 48 inside?

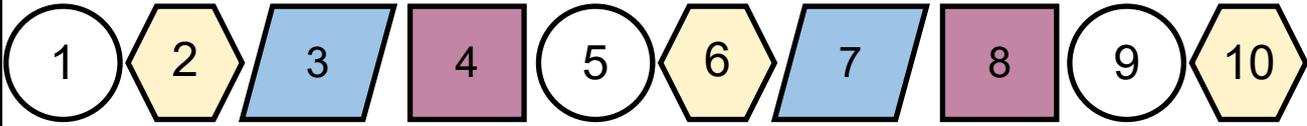
7

The numbers in this sequence **increase by 50** each time.
50, 100, 150, 200, 250

The sequence continues in the same way.

Tick all the numbers which belong in this sequence.

1



Which shape would have the number 40 inside?

2

The numbers in this sequence increase by 4 each time.

4, 8, 12, 16.....

The numbers in this sequence increase by 10 each time.

10, 20, 30, 40.....

Write **all** the numbers **less than 100** that appear in both sequences.

Write the first number **greater than 100** that appears in both sequences.

3

Add numbers to the empty circles in the sorting diagram.

	multiple of 4	not a multiple of 4
multiple of 8	 	
not a multiple of 8	 	 

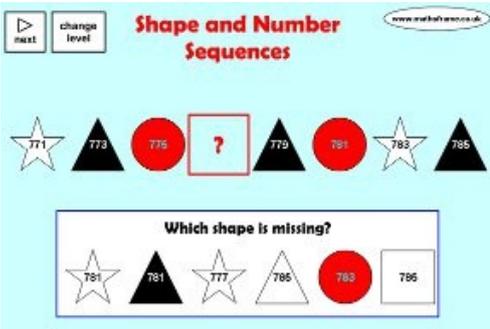
Explain why there are no numbers that belong in the empty section.

Useful interactive games to teach sequences.



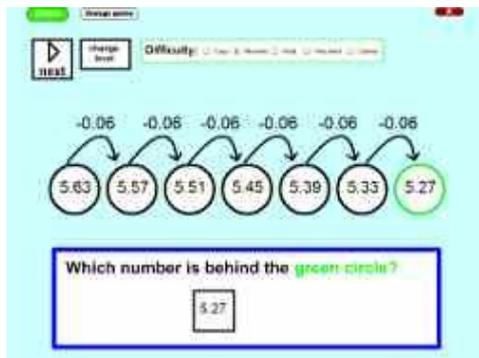
http://mathsframe.co.uk/en/resources/resource/10/100_square

A really versatile tool and great for exploring sequences and patterns. The start number and the step size can be changed. Children can then explore the number patterns or use reasoning to find missing numbers.



http://mathsframe.co.uk/en/resources/resource/121/shape_sequences

Great for developing higher order thinking skills. Very easily differentiated. Choose the step size and difficulty of the questions. Can be used to help children think about generalising and algebraic thinking.



<http://mathsframe.co.uk/en/resources/resource/42/sequences>

Find the missing number in the sequence. Lots of choice of level.



http://mathsframe.co.uk/en/resources/category/9/addition_and_subtraction

Lots of different games to help teach addition and subtraction.