

Name: _____

1) Each number in this sequence is double the previous number. What is the following number in the sequence?

2, 4, 8, 16, 32, _____

2) The numbers in this sequence are decreasing by 8. What is the following number in the sequence?

100, 92, 84, 76, _____

3) Create a five-number sequence starting at 10, where each number increases by 12.

4) Complete this number table where the value of 'y' is three times 'x'.

x	3	6	7	12
y				

5) Describe the rule used to create this sequence.

6, 12, 18, 24, 30

6) These are the first five numbers in a sequence. What will the 10th number in the sequence be? _____

4, 11, 18, 25, 32

7) These are the first numbers in a sequence. What is the following number in the sequence?

$1\frac{1}{2}$ 2 $2\frac{1}{2}$ 3 $3\frac{1}{2}$ _____

8) The numbers in this sequence are doubling. What will be the first number in this sequence that is over 1000?

10, 20, 40, 80, 160

9) These are the first five numbers in a sequence. What will the 10th number in the sequence be? _____

100, 200, 400, 800, 1600

10) Describe the rule to create each sequence and write the following number.

a) 100, 90, 91, 81, 82, 72, _____

b) 4, 8, 18, 36, 46, 92, _____

