

Grade 8 Math – Representing Linear Patterns Review

Name: _____

#1 What is this sequence/series:

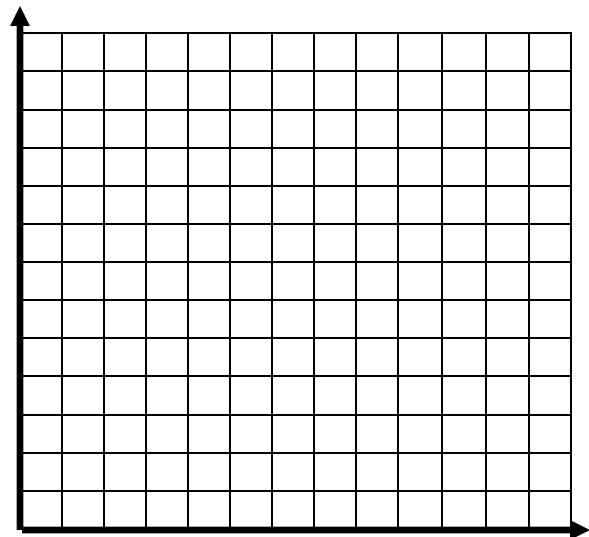
_____, _____, _____, _____, _____, _____, _____

#2 What is the pattern?

Given this T-Chart

Term	n	Term Value V_n
1		24
2		31
3		38
4		45
5		52
6		59
7		66
n		$V_n =$

#3 Plot the points on the following grid



#4 What is the algebraic Equation?

#5 What is the constant in this pattern?

#6 What is the variable in this pattern?

#7 What is the term value for the **25th** term?

#8 What term has a term value of **458**?

Look at which pattern is complete and complete all other questions.

#1 What is the number sequence/series:

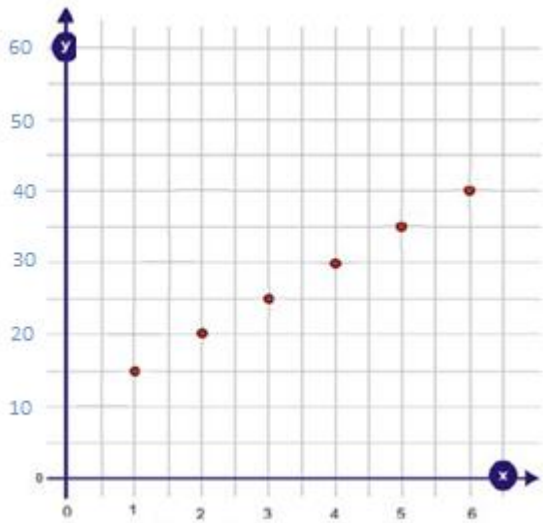
_____, _____, _____, _____, _____, _____, _____

#2 What is the pattern in words?

#3 What is the Term Value T-Chart -

Given this graph with a pattern find the others.

Term n	Term Value V_n
n	$V_n =$



4 What is the Algebraic Equation?

5 What is the term value for the 20th term?

#6 What term number has a term value of 180?

Given the algebraic equation, represent it as the other ways indicated:

Algebraic Equation: $V_n = 5n - 4$

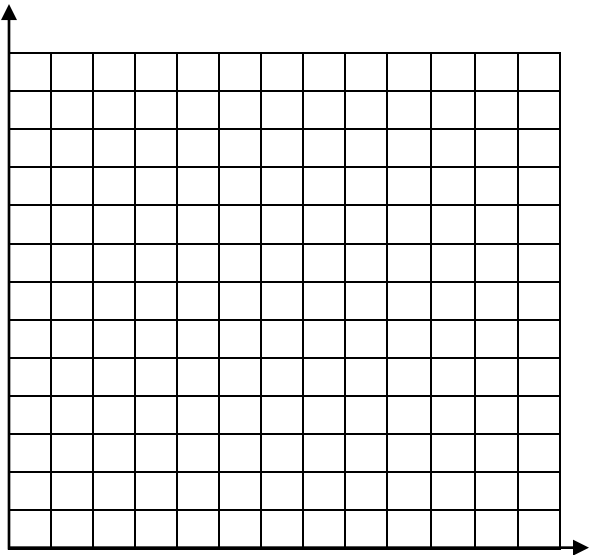
#1 Tabled Value:

n	Vn

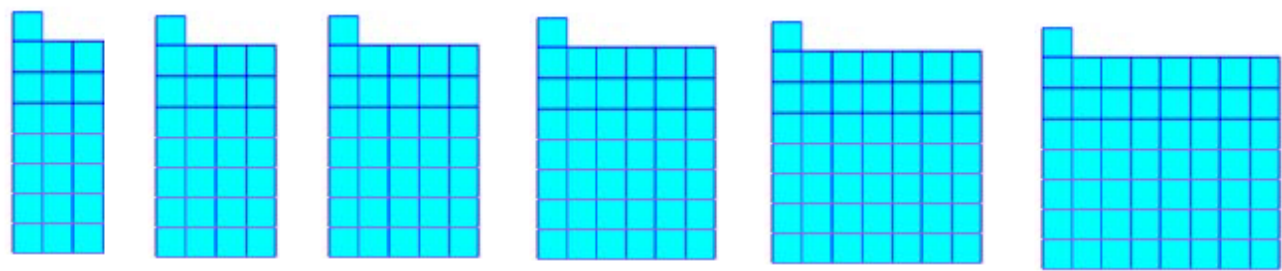
#2 Number Sequence: _____, _____, _____, _____, _____, _____, _____

#3 Words: _____

#4 Graph:



Given the following graphic representation, find the other ways of representing the sequence.



#1 Represented as an **Algebraic Equation**

#2 Represented in a **number pattern sequence**: _____, _____, _____, _____, _____, ...

#3 Represented in **words**: _____

#4 Represented as a **T-Chart**

Term	n	Term Value V_n
	n	$V_n =$

#5 graph the pattern on this grid.

