

Essential Skills: By the end of this unit, you should be able to...

- ☐ Demonstrate an understanding of relationships involved in arithmetic sequences,
- ☐ geometric sequences,
- ☐ arithmetic series
- ☐ geometric series
- ☐ Demonstrate an understanding of the difference between a sequence and a series
- ☐ Demonstrate an understanding of recursive sequences
- ☐ Solve problems related to sequences: ☐ Arithmetic ☐ Geometric
- ☐ Solve problems related to series: ☐ Arithmetic ☐ Geometric
- ☐ Demonstrate an understanding of using the seq/series formulas to solve for a specific term,
- ☐ a term number,
- ☐ a total,
- ☐ a difference or a ratio ☐ difference ☐ common ratio
- ☐ Expand binomials using Pascal's Triangle

Day	Text Ref.	Topics	Homework	Done (√)
1	6.1	Introduction to Sequences -definition and notation	Worksheet	
2	6.2	Arithmetic Sequences $t_n = a + (n-1)d$	p. 441 #1-8(eoo – note: eoo means every other one in each question- a, c, e, etc.), 9, 10, 15, 23, 29	
4	6.3	Geometric Sequences $t_n = ar^{n-1}$	p. 452 #1-7(eoo), 9, 12, 16	
3	6.5	QUIZ Arithmetic Series $S_n = \frac{n}{2}[2a + (n-1)d]$ $S_n = \frac{n}{2}(a + t_n)$	p. 469 #1-5(eoo)	
5	6.6	Geometric Series $S_n = \frac{a(r^n - 1)}{r - 1}$	p. 476 #1-5(eoo) 2(e) 90910	
6	6.6	Arithmetic and Geometric Story Questions	p. 470 #11, 13-20 p. 477 #7-13	
7	6.4	Pascal's Triangle & REVIEW	Worksheet p. 480 – 485 (Pick N Choose)	
8		TEST		

PLEASE NOTE!

If you are absent for a quiz, you are expected to write the test your first day back at school.
Contact your teacher to make arrangements.