

Chapter 2: Series and Financial Applications

Chapter Overview Chart

*SUGGESTED TIMING Functions and Relations: 30 h Functions: 30 h				
Section	Timing (min)		Materials/ Technology	Expectations
	Functions and Relations	Functions		
2.1 Arithmetic Series, p. 110	75	75	SC	FA1.05
2.2 Exploration: Investigating a Sequence Using the TI-83 Plus Calculator and the TI Calculator-Based Ranger (CBR), p. 117	30	30	CBR/L, TI-83 Plus, and a ball	
2.3 Geometric Series, p. 119	75	75	SC	FA1.05
2.4 Technology: Using a Spreadsheet to Represent the Value of a Deposit, p. 127	75	75	SS	OC3.05
2.5 Future Value and Amortization Tables, p. 129	75	75	SS and TI-83 Plus	FA2.03, FA3.01 FA3.03, OC3.05
2.6 Technology: TI-83 Plus Calculator: Finding the Sum and the Cumulative Sum of a Series, p. 143	30	30	TI-83 Plus	
2.7 Using Series to Analyze Financial Situations: Future Value, p. 145	110	75	TI-83 Plus	FA2.01, FA2.03 FA3.01, OC3.04
2.8 Using Series to Analyze Financial Situations: Present Value, p. 156	110	75	SC	FA2.01, FA2.03 FA3.01, OC3.04
2.9 Technology: TI-83 Plus Calculator: Analyzing Financial Situations Using the TVM Solver, p. 168	75	75	TI-83 Plus	FA2.03, OC3.05
2.10 Equivalent Rates and General Annuities, p. 172	110	75	TI-83 Plus	FA3.01, OC3.02 OC3.05
2.11 Technology: TI-83 Plus Calculator: Creating Repayment Schedules, p. 183	75	75	TI-83 Plus	FA3.03
2.12 Using Technology to Analyze Canadian Mortgages, p. 187	110	75	TI-83 Plus and SS	FA3.02, FA3.04 FA3.05, OC3.02 OC3.03

BLM = Blackline Masters

CBR/L = Calculator-Based Ranger/Laboratory

GSP = *The Geometer's Sketchpad*

GP = Graph Paper

GS = Graphing Software

GC = Graphing Calculator

SC = Scientific Calculator

SS = Spreadsheet Software

*Suggested Timing includes time for preview, additional activities, review and assessment.

Check Your Understanding: Answers, p. 2-60

The Chapter Problem Questions and Solutions, p. 2-65

Challenge 1 – Solution Guide and Rubric, p. 2-82

Challenge 2 – Solution Guide and Rubric, p. 2-84

Chapter 2 Test and Solutions, p. 2-86