

Variables and Patterns -- Unit Planning Overview 7th Grade

Investigations & Assessments	Days	Materials for Students	Materials for Teachers	Transparencies	ACE Questions	Copies for Students	Miscellaneous
1. Variables and Coordinate Graphs <i>Read TE p. 17 a-e</i>	3	Watch or clock with second hand Transparent grids (optional) Graphing calculator	Overhead graphing calculator	1.1-1.2B, p.101-103 Transparency grid, p. 129	1.1: #5 1.2: #1, 2, 4, 7 and 3, 6, 8 for extra credit	Notebook checklist p.83 Grid paper, p.129	
2 Graphing Change <i>Read TE p. 35 a-k</i>	5	Graphing Calculator	Overhead graphing calculator	2.1A –2.5, p.105-111	2.1: #9 2.2: #1 (extra 10, 11) 2.3: #2 (extra 8) 2.4: #3, 5, 7 2.5: #4	Grid paper, p.129	Paper cutouts of hexagons may help with Extension question #12, p.33
Check –Up	1					p. 70-72	Answers, p.85
3 Analyzing Graphs and Tables <i>Read TE p. 48 a-m</i>	4	Graphing Calculator	Overhead graphing calculator	3.1A-3.4B, p112-117	3.1: #3 or 4 3.2: #9 (extra 7, 8) 3.3: #5, 6 3.4: #1, 2	Grid paper, p.129	
4. Patterns and Rules <i>Read TE p. 60 a-i</i>	3	Graphing Calculator	Overhead graphing calculator	4.1-4.3B, p.118-124	4.1: #10, 13 4.2: #1, 2 (extra 8, 9) 4.3: #3-7, 11, 12, 14	Grid paper	
Quiz	½					p. 73-75	Answers on p.86-87
5. Using a Graphing Calculator <i>Read TE 68 a-e</i>	3	Graphing Calculator	Overhead graphing calculator	5.1, 5.2, p. 125-126 Transparency of Labsheet 5.1, p.100	5.1: #3, 4 5.2: #1, 2, 5, 7	Labsheet 5.1 p.100 (2/group) Grid paper p.129	
Self Assessment	1					p.84	
Unit Test	1					p.79-82	Answers on p.89-90 Modified version for inclusion students on p.94