

Typical Sightings for *Concepts in Algebra*

CRITERION	Average Instructional Ratings							PAGE(S)	ACTIVITY	IDEA SET
	0	0.5	1.0	1.5	2.0	2.5	3.0			
I.1 Conveying Unit Purpose								385	Symbolic Reasoning: Equivalent Expressions	Variables
I.2 Conveying Lesson Purpose								27	Variables Related by Rules	Functions
I.3 Justifying Sequence of Activities								423-425	Quadratics in Equivalent Forms	Operations
II.1 Specifying Prerequisite Knowledge								319; 455	Introduction: Chapter 7; Chapter 9	Variables
II.2 Alerting Teacher to Student Ideas								Instructor's Guide 58t; 84t-85t	Teaching Notes	Functions
II.3 Assisting Teacher in Identifying Ideas								423-425	Quadratics in Equivalent Forms	Operations
II.4 Addressing Misconceptions								398	Formal Symbolic Reasoning in Algebra	Operations
III.1 Providing Variety of Contexts								12; 16-17; 22-23	#4; Situation 3.2; Situation 3.5 #1, 3	Functions
III.2 Providing Firsthand Experiences								35-37	Rules Relating Variables – Symbolic Form	Variables
IV.1 Justifying Importance of Standards Ideas								406-411	Using Properties to Find Equivalent Expressions	Variables
IV.2 Introducing Terms and Procedures								123-125	#3-4; Making Connections	Functions
IV.3 Representing Ideas Accurately								406-411	Using Properties to Find Equivalent Expressions	Operations
IV.4 Connecting Standards Ideas								216	Applying Quadratics Functions	Functions
IV.5 Demonstrating/Modeling Procedures								463-467	Procedures that Produce Equivalent Equations	Variables
IV.6 Providing Practice								428; 429	#12-18; #2	Operations
V.1 Encouraging Students to Explain Their Reasoning								22-23; 262	Situation 3.5 #1,3; Experiment 3	Functions
V.2 Guiding Interpretation and Reasoning								128-129	Exploration 1: Situation 2.3 #4; Situation 2.5 #1	Variables
V.3 Encouraging Students to Think about What They've Learned								478-479	Exploration	Operations
VI.1 Aligning Assessment								Assessments 19-23	Chapter 2 Exam, Part 1	Functions
VI.2 Assessing through Applications								Assessments 16	Chapter 2 Exam, Part 2 #1-4	Variables
VI.3 Using Embedded Assessment								Instructor's Guide 16-17	Evaluation and Assessment	All Idea Sets