

Typical Sightings for *Integrated Mathematics: A Modeling Approach Using Technology (SIMMS)*

CRITERION	Average Instructional Ratings								BOOK	PAGE(S)	ACTIVITY	IDEA SET
	0	0.5	1.0	1.5	2.0	2.5	3.0					
I.1 Conveying Unit Purpose									Level 1, Vol. 3	329	Introduction to 'Under the Big Top...'	Operations
I.2 Conveying Lesson Purpose									Level 2, Vol. 3	351-352	Activity 1 – Opening paragraphs	Variables
I.3 Justifying Sequence of Activities									Level 3, Vol. 2	165	Activity 3 – Opening paragraph	Functions
II.1 Specifying Prerequisite Knowledge									Level 6, Vol. 2	191t	Prerequisites	Functions
II.2 Alerting Teacher to Student Ideas												
II.3 Assisting Teacher in Identifying Ideas									Level 1, Vol. 1	78/111t	Discussion	Variables
II.4 Addressing Misconceptions												
III.1 Providing Variety of Contexts									Level 3, Vol. 1	32-36, 30t-34t	Activity 1	Operations
III.2 Providing Firsthand Experiences									Level 3, Vol. 2	155	Exploration	Functions
IV.1 Justifying Importance of Standards Ideas									Level 6, Vol. 2	147; 173	Introduction to 'Ostriches Are Composed'; Summary Assessment	Functions
IV.2 Introducing Terms and Procedures									Level 3, Vol. 1	39	Mathematics Note	Variables
IV.3 Representing Ideas Accurately									Level 1, Vol. 3	284	Mathematics Note	Functions
IV.4 Connecting Standards Ideas									Level 1, Vol. 2	335	Mathematics Note	Variables
IV.5 Demonstrating/Modeling Procedures									Level 2, Vol. 2	191-192	Mathematics Note	Operations
IV.6 Providing Practice									Level 1, Vol. 1 Level 3, Vol. 1	124t 38-41	Activity 3 Activity 2	Operations
V.1 Encouraging Students to Explain Their Reasoning									Level 1, Vol. 3	344-346	Discussion; Assignment	Operations
V.2 Guiding Interpretation and Reasoning									Level 1, Vol. 1	78	Discussion; Mathematics Note	Operations
V.3 Encouraging Students to Think about What They've Learned									Level 3, Vol. 2	166-167	Discussion 1	Functions
VI.1 Aligning Assessment									Level 2, Vol. 2	253t	Module Assessment	Variables
VI.2 Assessing through Applications									Level 6, Vol. 2	173	Summary Assessment	Functions
VI.3 Using Embedded Assessment									Level 3, Vol. 2	164/218t	#2.3 a, b; 2.4	Functions