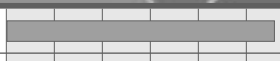
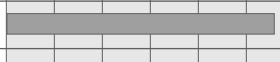
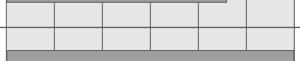
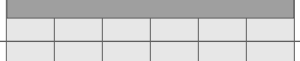
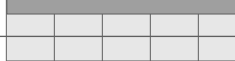
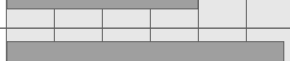
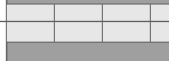
Typical Sightings for *MathScape*

Criterion	Average Instructional Ratings (0 0.5 1.0 1.5 2.0 2.5 3.0)	Book	Page(s)	Activity	Benchmark
I.1 **Conveying Unit Purpose**		Designing Spaces	2–3 32–33	Unit Overview L12 Final Project	Not Benchmark Specific
I.2 **Conveying Lesson Purpose**		From the Ground Up	16 & T36	Lesson 5: Beginning Roof Construction	Not Benchmark Specific
I.3 **Justifying Sequence of Activities**		Roads and Ramps	T2–3 & T64–65	At a Glance	Not Benchmark Specific
II.1 **Specifying Prerequisite Knowledge**		Buyer Beware	16 T6 T34 T36	Use Ratios to Compare Data Prerequisite Check Ratio Exploring Ratios	Number Concepts
II.2 **Alerting Teacher to Student Ideas**		Buyer Beware	TA9	What to Look For & margin notes	Number Concepts
II.3 **Assisting Teacher in Identifying Ideas**		From Zero to One and Beyond	22 & T50–51	L7 An Important Point	Number Skills
II.4 **Addressing Misconceptions**		From the Ground Up	T20	#3 & margin notes	Geometry Concepts
III.1 **Providing Variety of Contexts**		Roads and Ramps	22–23 & T50–53	Stairs and Ratios	Number Concepts
III.2 **Providing Firsthand Experiences**		Designing Spaces	37–38	L5 String Shapes	Geometry Concepts
IV.1 **Justifying Importance of Benchmark Ideas**		Roads and Ramps	13	Opening paragraphs	Geometry Concepts
IV.2 **Introducing Terms and Procedures**		Getting in Shape	10–11 & T22–25	L3 Classifying Triangles	Geometry Concepts
IV.3 **Representing Ideas Accurately**		The Language of Algebra	7	Write Equations About the Ideal School	Algebra Equation Concepts
IV.4 **Connecting Benchmark Ideas**		Getting in Shape	31	Developing a Formula for the Area of a Circle	Geometry Concepts
IV.5 **Demonstrating/Modeling Procedures**		From Zero to One and Beyond	T56	#4 & #5	Number Skills
IV.6 **Providing Practice**		The Language of Algebra	A32	Homework 4	Algebra Equation Concepts
V.1 **Encouraging Students to Explain Their Reasoning**		The Language of Algebra	T48	2: Presenting and Discussing Graphs	Algebra Graph Concepts
V.2 **Guiding Interpretation and Reasoning**		The Language of Algebra	16–17 & T36–39	L5 Seeing Things Graphically	Algebra Equation Concepts
V.3 **Encouraging Students to Think about What They've Learned**		Shapes and Space	11	Estimate Volume and Surface Area	Geometry Skills
VI.1 **Aligning Assessment**		Number Powerhouse	A4 R4 A39	What to Look For Skill Quiz #10–12 Homework 11 #15–18	Number Skills
VI.2 **Assessing through Applications**		The Language of Algebra	32–33 & T70–73	L12 Using Algebra to Make Predictions	Algebra Graph Concepts
VI.3 **Using Embedded Assessment**		From the Ground Up	13, T28 #5 & A6	Experiment with Wall Design	Geometry Skills
VII.1 **Providing Teacher Content Support**		Roads and Ramps	T30–31	Math Background	Not Benchmark Specific
VII.2 **Establishing a Challenging Classroom**		From the Ground Up	23 30–31	L8 Calculating Roof Cost L11 Final Project	Not Benchmark Specific
VII.3 **Supporting All Students**		Designing Spaces	T7 T62 TA8	Alternative Routes... Visualizing and Drawing... Assessment	Not Benchmark Specific