

# Typical Sightings for Middle Grades Math Thematics

Criterion	Average Instructional Ratings							Book	Page(s)	Activity	Benchmark
	0	0.5	1.0	1.5	2.0	2.5	3.0				
I.1 Conveying Unit Purpose								Book 3	317, 328, 342, 367, 389	Module Project	Not Benchmark Specific
I.2 Conveying Lesson Purpose								Book 1	157, 180, 183, 188	Module Project Beginning the Module Project Goal Key Concepts	Not Benchmark Specific
I.3 Justifying Sequence of Activities								Book 2	231 (232–309)	Section Overview (Module 4)	Not Benchmark Specific
II.1 Specifying Prerequisite Knowledge								Book 1	PDH*54, 423	Assessment Tools: Warm Ups Warm Up Exercises	Geometry Concepts
II.2 Alerting Teacher to Student Ideas								Book 3	TRB**1–39	Common Error	Geometry Skills
II.3 Assisting Teacher in Identifying Ideas								Book 2	358–359 TRB**5–35	Think About, Discussion Plan	Number Skills
II.4 Addressing Misconceptions								Book 1	TRB**1–17	Exploration 2	Geometry Concepts
III.1 Providing Variety of Contexts								Book 3	179–182	Exploration 2	Algebra Graph Concepts
III.2 Providing Firsthand Experiences								Book 2	233–235	Circumference of a Zoetrope	Geometry Skills
IV.1 Justifying Importance of Benchmark Ideas								Book 1	TRB**6–8 to 6–10	Section 1; Exploration 1	Number Concepts
IV.2 Introducing Terms and Procedures								Book 1	95–97	Exploration 1	Number Concepts
IV.3 Representing Ideas Accurately								Book 1	95–97	Exploration 1	Number Concepts
IV.4 Connecting Benchmark Ideas								Book 3	524–526	Exploration 2	Algebra Equation Concepts
IV.5 Demonstrating/Modeling Procedures								Book 3	468–472	Graphs and Functions: Exploration 1	Algebra Graph Concepts
IV.6 Providing Practice								Book 3	73–74, 76	Practice and Application Ex. 1, 2, 4 Extra Skill Practice	Geometry Skills
V.1 Encouraging Students to Explain Their Reasoning								Book 2	TRB**5–35 to 5–36, 359–360	Exploration 1 & Customizing Instruction Exploration 1	Number Skills
V.2 Guiding Interpretation and Reasoning								Book 2	118–122	Exploration 1 & 2	Algebra Equation Concepts
V.3 Encouraging Students to Think about What They've Learned								Book 3	PDH*50–59	Assessment Scales	Geometry Concepts
VI.1 Aligning Assessment								Book 1	PDH*54–55, 298–304 TRB**4–99 to 4–105	Assessment in Math Thematics Checkpoints, Questions, Practice & Application Ex., etc. Module 4 Quiz, Test, other assessments	Number Skills
VI.2 Assessing through Applications								Book 2	129	Standardized Testing: Free Response	Algebra Graph Concepts
VI.3 Using Embedded Assessment								Book 3	PDH*49 TRB**3–26 to 3–27, 194	Embedded Questions Exploration 2 Discussion, Checkpoint	Algebra Equation Concepts
VII.1 Providing Teacher Content Support								Book 3	TRB**7–17	Developing Math Concepts	Not Benchmark Specific
VII.2 Establishing a Challenging Classroom								Book 1	487–489 TRB**7–28 to 7–29	Section 4, Exploration 1 Teacher Support	Not Benchmark Specific
VII.3 Supporting All Students								Book 2	TRB**5–18 TRB**5–19 PDH*86–88	Customizing Instruction: Visual Learners Classroom Management Adjusting for Special Needs	Not Benchmark Specific