

Modeling Opportunities in IM 6–8 Math v.III: Guidance from the IM Authors

Grade 6 UNIT 9 Putting it All Together		When?	How Long?
Making Connections	Lesson 1 Fermi Problems (6.G.A.6 6.NS.B.6 6.RP.A.6)	after U3	1* day
	Lesson 2 If Our Class Were the World (6.NS.B.6 6.RP.A.6)	after U3	1* day
	Lesson 3 Rectangle Madness (6.NS.A.6)	after U7	3 days
Voting	Lesson 4 How Do We Choose? (6.RP.A.1 6.RP.A.3 6.RP.A.3.c)	after U3	6-7 days for 3 lessons
	Lesson 5 More Than Two Choices (6.RP.A.3)		
	Lesson 6 Picking Representatives (6.NS.B.3 6.RP.A.2 6.RP.A.3 6.RP.A.3.c)		

* Depending on which activities are selected, the work of this lesson could fill 1 or more days

Grade 7 UNIT 9 Putting it All Together		When?	How Long?
Running a Restaurant	Lesson 1 Planning Recipes (7.RP.A.3)	after U2	1* day
	Lesson 2 Costs of Running a Restaurant (7.RP.A.3)	after U2	1* day
	Lesson 3 More Costs of Running a Restaurant (7.EE.B.4, 7.NS.A.3, 7.RP.A.2, 7.RP.A.3, 7.SP.B.4)	after U8	1* day
	Lesson 4 Restaurant Floor Plan (7.G.A.1, 7.G.B.4, 7.G.B.6, 7.NS.A.2.d, 7.RP.A.3)	after U3	1* day
Making Connections	Lesson 5 How Crowded is This Neighborhood? (7.G.B.6, 7.RP.A.1, 7.RP.A.2)	after U2	1* day
	Lesson 6 Fermi Problems (7.G.B, 7.NS.A.3, 7.RP.A, 7.RP.A.3)	after U5	1* day
	Lesson 7 More Expressions and Equations (7.EE.A.1, 7.EE.B.4.a)	after U6	1* day
	Lesson 8 Measurement Error (Part 1) (7.EE.B, 7.RP.A.3)	after U6	1* day
	Lesson 9 Measurement Error (Part 2) (7.G.B.6)	after U6	1* day
Designing a Course	Lesson 10 Measuring Long Distances Over Uneven Terrain (7.RP.A)	after U4	1* day
	Lesson 11 Building a Trundle Wheel (7.G.B.4, 7.RP.A)	after U4	1* day
	Lesson 12 Using a Trundle Wheel to Measure Distances (7.G.B.4, 7.RP.A)	after U4	1* day
	Lesson 13 Building a 5K Course (7.G.A.1, 7.RP.A, 7.RP.A.3)	after U4	1* day

* Depending on which activities are selected, the work of this lesson could fill 1 or more days

Grade 8 UNIT 9 Putting it All Together		When?	How Long?
Tessellations	Lesson 1 Tessellations of the Plane (8.G.A)	after U1	1* day
	Lesson 2 Regular Tessellations (8.G.A, 8.G.A.5)	after U1	1* day
	Lesson 3 Tessellating Polygons (8.G.A)	after U1	1* day
The Weather	Lesson 4 What Influences Temperature? (8.F.A.1, 8.F.B, 8.SP.A)	after U6	1* day
	Lesson 5 Plotting the Weather (8.SP.A)	after U6	1* day
	Lesson 6 Using and Interpreting a Mathematical Model (8.F.B, 8.SP.A)	after U6	1* day

* Depending on which activities are selected, the work of this lesson could fill 1 or more days