



Grade 7, Desmos Curriculum and IM Alignment

Unit 1

Desbook	Lesson Type	IM Equivalent
Lesson 1: Scaling Machines	Digital or Paper	Grade 7 (Unit 1, Lesson 1)
Lesson 2: Scaling Robots	Digital or Paper	Grade 7 (Unit 1, Lessons 2 & 3)
Lesson 3: Make It Scale	Digital or Paper	Grade 7 (Unit 1, Lessons 3 & 4)
Lesson 4: Scale Factor Challenges	Digital	Grade 7 (Unit 1, Lesson 5)
Lesson 5: Tiles	Digital	Grade 7 (Unit 1, Lesson 6)
Practice Day 1	Paper	
Quiz	Digital or Paper	Grade 7 (Unit 1, Lessons 1–6)
Lesson 6: Introducing Scale	Digital	Grade 7 (Unit 1, Lesson 7)
Lesson 7: Will It Fit?	Paper with Teacher Projection Screens	Grade 7 (Unit 1, Lesson 7)
Lesson 8: Scaling States	Paper with Teacher Projection Screens	Grade 7 (Unit 1, Lessons 9 & 10)
Lesson 9: Scaling Buildings	Digital	Grade 7 (Unit 1, Lessons 10 & 12)
Lesson 10: Classroom Redesign	Paper with Teacher Projection Screens	Grade 7 (Unit 1, Lessons 10 & 12)
Practice Day 2	Paper	



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Unit 2

Desbook	Lesson Type	IM Equivalent
Lesson 1: Paint	Digital	Grade 7 (Unit 2, Lessons 1)
Lesson 2: Balloon Float	Digital	Grade 7 (Unit 2, Lesson 2)
Lesson 3: Sugary Drinks	Paper with Teacher Projection Screens	Grade 7 (Unit 2, Lessons 3 & 7)
Lesson 4: Robot Factory	Digital	Grade 7 (Unit 2, Lesson 4)
Lesson 5: Snapshots	Digital	Grade 7 (Unit 2, Lessons 4 & 6)
Lesson 6: Two and Two	Paper with Teacher Projection Screens	Grade 7 (Unit 2, Lessons 3 & 5)
Lesson 7: All Kinds of Equations	Digital	Grade 7 (Unit 2, Lessons 7 & 8)
Practice Day	Paper	
Quiz	Digital or Paper	Grade 7 (Unit 2, Lessons 1–8)
Lesson 8: DinoPops	Digital	Grade 7 (Unit 2, Lesson 10)
Lesson 9: Gallon Challenge	Digital	Grade 7 (Unit 2, Lesson 11 & 12)
Lesson 10: Three Turtles	Digital	Grade 7 (Unit 2, Lessons 12)
Lesson 11: Four Representations	Paper with Teacher Projection Screens	Grade 7 (Unit 2, Lessons 14)
Lesson 12: Water Efficiency	Paper with Teacher Projection Screens	Grade 7 (Unit 2, Lesson 15)



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Unit 3

Desbook	Lesson Type	IM Equivalent
Lesson 1: Toothpicks	Digital	Grade 7 (Unit 3, Lesson 1)
Lesson 2: Is It a Circle?	Digital	Grade 7 (Unit 3, Lesson 2)
Lesson 3: Measuring Around	Digital	Grade 7 (Unit 3, Lessons 3 and 5)
Lesson 4: Perimeter Challenges	Digital	Grade 7 (Unit 3, Lesson 4)
Practice Day 1	Paper	
Quiz	Digital or Paper	Grade 7 (Unit 3, Lessons 1–5)
Lesson 5: Area Strategies	Digital	Grade 7 (Unit 3, Lesson 6)
Lesson 6: Radius	Paper with Teacher Presentation Screens	Grade 7 (Unit 3, Lessons 7 & 8)
Lesson 7: Why Pi?	Digital	Grade 7 (Unit 3, Lesson 8)
Lesson 8: Area Challenges	Digital	Grade 7 (Unit 3, Lesson 9)
Lesson 9: Circle vs. Square	Digital	Grade 7 (Unit 3, Lesson 11)
Practice Day 2	Paper	Grade 7 (Unit 3, Lesson 10)



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Unit 4

Desbook	Lesson Type	IM Equivalent
Lesson 1: Mosaics	Digital	Grade 7 (Unit 4, Lesson 1)
Lesson 2: Peach Cobbler	Paper with Teacher Projection Screens	Grade 7 (Unit 4, Lesson 2)
Lesson 3: Sticker Sizes	Digital	Grade 7 (Unit 4, Lesson 3)
Lesson 4: More and Less	Paper	Grade 7 (Unit 4, Lessons 4 and 6)
Lesson 5: All the Equations	Paper	Grade 7 (Unit 4, Lesson 8)
Lesson 6: 100%	Paper with Teacher Projection Screens	Grade 7 (Unit 4, Lesson 7)
Lesson 7: Percent Machines	Digital	Grade 7 (Unit 4, Lessons 1–8)
Quiz	Digital or Paper	Grade 7 (Unit 4, Lessons 1–8)
Lesson 8: Tax and Tip	Digital	Grade 7 (Unit 4, Lesson 10)
Lesson 9: Minimum Wage	Paper with Teacher Projection Screens	Grade 7 (Unit 4, Lessons 11 and 12)
Lesson 10: Cost of College	Paper with Teacher Projection Screens	Grade 7 (Unit 4, Lessons 11 and 12)
Lesson 11: Bookcase Builder	Digital	Grade 7 (Unit 4, Lessons 13–15)
Lesson 12: Posing Percent Problems	Digital	Grade 7 (Unit 4, Lessons 16)
Practice Day	Paper	



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Unit 5

Desbook	Lesson Type	IM Equivalent
Lesson 1: Floats and Anchors	Digital	Grade 7 (Unit 5, Lesson 1)
Lesson 2: More Floats and Anchors	Digital	Grade 7 (Unit 5, Lessons 2–4)
Lesson 3: Bumpers	Digital	Grade 7 (Unit 5, Lessons 2–4)
Lesson 4: Number Line Diagrams	Paper with Teacher Projection Sheets	Grade 7 (Unit 5, Lessons 5 and 6)
Lesson 5: Number Puzzles	Digital	Grade 7 (Unit 5, Lessons 5 and 6)
Practice Day 1	Paper	Grade 7 (Unit 5, Lesson 7)
Quiz	Digital or Paper	Grade 7 (Unit 5, Lessons 1–7)
Lesson 6: Floating in Groups	Digital	Grade 7 (Unit 5, Lessons 8 and 9)
Lesson 7: Back in Time	Digital	Grade 7 (Unit 5, Lessons 8–10)
Lesson 8: Speeding Turtles	Digital	Grade 7 (Unit 5, Lesson 11)
Lesson 9: Expressions	Paper with Teacher Projection Sheets	Grade 7 (Unit 5, Lessons 12 and 13)
Lesson 10: Integer Puzzles	Digital	Grade 7 (Unit 5, Lesson 8–11)
Practice Day 2	Paper	Grade 7 (Unit 5, Lessons 12–16)
Quiz 2	Digital or Paper	Grade 7 (Unit 5, Lessons 1–12)
Lesson 11: Changing Temperatures	Digital	Grade 7 (Unit 5, Lessons 12 and 14)
Lesson 12: Arctic Sea Ice	Paper with Teacher Presentation Screens	Grade 7 (Unit 5, Lessons 14 and 16)
Lesson 13: Solar Panels and More	Paper with Teacher Projection Sheets	Grade 7 (Unit 5, Lesson 17)



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Unit 6

Desbook	Lesson Type	IM Equivalent
Lesson 1: Toothpicks and Tiles	Digital	Grade 7 (Unit 6, Lesson 1)
Lesson 2: Smudged Receipts	Digital	Grade 7 (Unit 6, Lessons 2 and 3)
Lesson 3: Equations	Digital	Grade 7 (Unit 6, Lessons 4 and 5)
Lesson 4: Seeing Structure	Paper with Teacher Projection Sheets	Grade 7 (Unit 6, Lessons 5 and 6)
Lesson 5: Balancing Moves	Digital	Grade 7 (Unit 6, Lessons 7 and 8)
Lesson 6: Balancing Equations	Digital	Grade 7 (Unit 6, Lessons 7 and 8)
Lesson 7: Keeping It True	Paper with Teacher Projection Sheets	Grade 7 (Unit 6, Lesson 9)
Lesson 8: Factoring and Expanding	Paper with Teacher Projection Sheets	Grade 7 (Unit 6, Lessons 18 and 19)
Lesson 9: Always-Equal Machines	Digital	Grade 7 (Unit 6, Lessons 18 and 19)
Lesson 10: Collect the Squares	Digital	Grade 7 (Unit 6, Lessons 20 and 21)
Lesson 11: Equation Roundtable	Paper with Teacher Projection Sheets	Grade 7 (Unit 6, Lessons 21 and 22)
Lesson 12: Community Day	Paper with Teacher Projection Sheets	Grade 7 (Unit 6, Lesson 11)
Practice Day 1	Paper	Grade 7 (Unit 6, Lesson 12)
Quiz	Digital or Paper	Grade 7 (Unit 6, Lessons 1–12, 18–22)
Lesson 13: I Saw the Signs	Digital	Grade 7 (Unit 6, Lesson 13)
Lesson 14: Unbalanced Hangers	Paper with Teacher Presentation Screens	Grade 7 (Unit 6, Lesson 15)



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Lesson 15: Budgeting	Paper with Teacher Projection Sheets	Grade 7 (Unit 6, Lesson 14 and 16)
Lesson 16: Shira the Sheep	Digital	Grade 7 (Unit 6, Lesson 15)
Lesson 17: Write Them and Solve Them	Paper with Teacher Projection Sheets	Grade 7 (Unit 6, Lesson 17)
Practice Day 2	Paper	Grade 7 (Unit 6, Lessons 1–22)

Unit 7

Desbook	Lesson Type	IM Equivalent
Lesson 1: Pinwheels	Digital	Grade 7 (Unit 7, Lesson 1)
Lesson 2: Friendly Angles	Digital	Grade 7 (Unit 7, Lessons 2 and 3)
Lesson 3: Angle Diagrams	Digital	Grade 7 (Unit 7, Lessons 4 and 5)
Lesson 4: Missing Measures	Paper	Grade 7 (Unit 7, Lessons 4 and 5)
Lesson 5: Can You Build It?	Digital	Grade 7 (Unit 7, Lessons 6 and 7)
Lesson 6: Is It Enough?	Digital	Grade 7 (Unit 7, Lessons 7 and 8)
Lesson 7: More Than One?	Digital	Grade 7 (Unit 7, Lesson 8)
Lesson 8: Can You Draw It?	Paper	Grade 7 (Unit 7, Lessons 9 and 10)
Practice Day 1	Paper	Grade 7 (Unit 7, Lessons 1–10)
Quiz	Digital or Paper	Grade 7 (Unit 7, Lessons 1–10)
Lesson 9: Slicing Solids	Digital	Grade 7 (Unit 7, Lesson 11)
Lesson 10: Simple Prisms	Digital	Grade 7 (Unit 7, Lesson 12)



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Lesson 11: More Complicated Prisms	Digital	Grade 7 (Unit 7, Lesson 13)
Lesson 12: Surface Area Strategies	Paper with Teacher Projection Sheets	Grade 7 (Unit 7, Lessons 14 and 17)
Lesson 13: Popcorn Possibilities	Digital with Paper Supplement	Grade 7 (Unit 7, Lesson 16)
Practice Day 2	Paper	Grade 7 (Unit 7, Lesson 15)

Unit 8

Desbook	Lesson Type	IM Equivalent
Lesson 1: How Likely?	Paper with Optional Digital Supplement	Grade 7 (Unit 8, Lessons 1 and 2)
Lesson 2: Prob-bear-bilities	Digital	Grade 7 (Unit 8, Lesson 3)
Lesson 3: Mystery Bag	Digital	Grade 7 (Unit 8, Lesson 5)
Lesson 4: Spin Class	Digital	Grade 7 (Unit 8, Lesson 4)
Lesson 5: Is It Fair?	Digital	Grade 7 (Unit 8, Lesson 6)
Lesson 6: Fair Games	Digital	Grade 7 (Unit 8, Lessons 8 and 9)
Lesson 7: Weather or Not	Digital	Grade 7 (Unit 8, Lessons 6 and 7)
Lesson 8: Simulate It!	Paper with Digital Supplement	Grade 7 (Unit 8, Lesson 10)
Practice Day 1	Paper	Grade 7 (Unit 8, Lessons 1–10)
Quiz	Digital or Paper	Grade 7 (Unit 8, Lessons 1–10)
Lesson 9: Car, Bike, or Train?	Digital	Grade 7 (Unit 8, Lesson 11)
Lesson 10: Crab Island	Digital	Grade 7 (Unit 8, Lessons 12 and 13)



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Lesson 11: Headlines	Digital	Grade 7 (Unit 8, Lessons 13 and 14)
Lesson 12: Flower Power	Digital	Grade 7 (Unit 8, Lesson 16)
Lesson 13: Plots and Samples	Digital	Grade 7 (Unit 8, Lessons 15 and 17)
Lesson 14: School Newspaper	Paper	Grade 7 (Unit 8, Lessons 18 and 19)
Lesson 15: Asthma Rates	Paper with Digital Supplement	Grade 7 (Unit 8, Lesson 20)
Practice Day 2	Paper	Grade 7 (Unit 8, Lessons 11–20)