



Grade 8, Desmos Curriculum and IM Alignment

[Unit Snapshots](#)

Unit 1

Desbook	Lesson Type	IM Equivalent
Lesson 1: Shifting Shapes	Digital or Paper	Grade 8 (Unit 1, Lesson 1)
Lesson 2: Spinning, Flipping, Sliding	Digital or Paper	Grade 8 (Unit 1, Lesson 2)
Lesson 3: Transformation Golf	Digital	Grade 8 (Unit 1, Lesson 4)
Lesson 4: Moving Day	Paper with Teacher Presentation Screens	Grade 8 (Unit 1, Lessons 3 & 4)
Lesson 5: Getting Coordinated	Digital	Grade 8 (Unit 1, Lesson 5)
Lesson 6: Connecting the Dots	Digital with worksheet	Grade 8 (Unit 1, Lesson 6)
Quiz 1	Digital or Paper	Grade 8 (Unit 1, Lessons 2–6)
Lesson 7: Are They the Same?	Digital with worksheet	Grade 8 (Unit 1, Lesson 11)
Lesson 8: No Bending, No Stretching	Digital with worksheet or Paper	Grade 8 (Unit 1, Lesson 7)
Lesson 9: Are they Congruent?	Digital with worksheet	Grade 8 (Unit 1, Lessons 12 & 13)
Practice Day	Paper	
Quiz 2	Digital or Paper	Grade 8 (Unit 1, Lessons 7 & 11–13)
Lesson 10: Transforming Angles	Digital	Grade 8 (Unit 1, Lesson 9)
Lesson 11: Tearing It Up	Paper	Grade 8 (Unit 1, Lesson 15)
Lesson 12: Puzzling It Out	Digital	Grade 8 (Unit 1, Lesson 16)



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Unit 2

Desbook	Lesson Type	IM Equivalent
Lesson 1: Sketchy Dilations	Digital	Grade 8 (Unit 2, Lessons 1 & 2)
Lesson 2: Dilation Mini Golf	Digital with worksheet	Grade 8 (Unit 2, Lesson 3)
Lesson 3: Match My Dilation	Digital	Grade 8 (Unit 2, Lesson 4)
Lesson 4: Dilations on a Plane	Paper	Grade 8 (Unit 2, Lesson 5)
Quiz 1	Digital with worksheet or Paper	Grade 8 (Unit 2, Lessons 1–5)
Lesson 5: Transformation Golf With Dilations	Digital	Grade 8 (Unit 2, Lesson 6)
Lesson 6: Social Scavenger Hunt	Paper with Teacher Presentation Screens	Grade 8 (Unit 2, Lesson 7)
Lesson 7: Are Angles Enough?	Digital	Grade 8 (Unit 2, Lesson 8)
Lesson 8: Shadows	Digital	Grade 8 (Unit 2, Lesson 9)
Quiz 2	Digital or Paper	Grade 8 (Unit 2, Lessons 6–9)
Lesson 9: Water Slide	Digital	Grade 8 (Unit 2, Lesson 10)
Lesson 10: Points on a Line	Digital	Grade 8 (Unit 2, Lessons 11 & 12)
Practice Day	Paper	



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Unit 3

Desbook	Lesson Type	IM Equivalent
Lesson 1: Turtle Time Trials	Digital	Grade 8 (Unit 3, Lesson 1)
Lesson 2: Water Tank	Digital	Grade 8 (Unit 3, Lesson 2)
Lesson 3: Posters	Digital	Grade 8 (Unit 3, Lesson 3 & 4)
Lesson 4: Stacking Cups	Digital	Grade 8 (Unit 3, Lesson 5)
Lesson 5: Flags	Digital	Grade 8 (Unit 3, Lessons 6 & 7)
Lesson 6: Translations	Digital	Grade 8 (Unit 3, Lesson 8)
Lesson 7: Water Cooler	Digital	Grade 8 (Unit 3, Lesson 9)
Lesson 8: Landing Planes	Digital	Grade 8 (Unit 3, Lesson 10)
Lesson 9: Coin Capture	Digital	Grade 8 (Unit 3, Lesson 11)
Quiz	Digital or Paper	Grade 8 (Unit 3, Lessons 1–11)
Lesson 10: Solutions	Digital	Grade 8 (Unit 3, Lesson 13)
Lesson 11: Pennies and Quarters	Digital	Grade 8 (Unit 3, Lesson 14)
Practice Day	Paper	



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Unit 4

Desbook	Lesson Type	IM Equivalent
Lesson 1: Number Machines	Digital	Grade 8 (Unit 4, Lesson 1)
Lesson 2: Keep It Balanced	Digital	Grade 8 (Unit 4, Lesson 2)
Lesson 3: Balanced Moves	Digital	Grade 8 (Unit 4, Lesson 3)
Lesson 4: More Balanced Moves	Paper	Grade 8 (Unit 4, Lesson 4)
Lesson 5: Equation Roundtable	Paper	Grade 8 (Unit 4, Lesson 5)
Lesson 6: Strategic Solving	Paper	Grade 8 (Unit 4, Lesson 6)
Lesson 7: All, Some, or None	Digital	Grade 8 (Unit 4, Lesson 7)
Lesson 8: When Are They the Same?	Digital	Grade 8 (Unit 4, Lesson 9)
Practice Day	Paper	
Quiz	Digital with worksheet or Paper	Grade 8 (Unit 4, Lessons 1–9)
Lesson 9: On or Off the Line?	Digital	Grade 8 (Unit 4, Lesson 10)
Lesson 10: On Both Lines	Digital	Grade 8 (Unit 4, Lesson 11)
Lesson 11: Make Them Balance	Digital	Grade 8 (Unit 4, Lesson 12)
Lesson 12: Line Zapper	Digital	Grade 8 (Unit 4, Lesson 13)
Lesson 13: All, Some, or None Part 2	Digital	Grade 8 (Unit 4, Lesson 14)
Lesson 14: Strategic Solving Part 2	Paper	Grade 8 (Unit 4, Lessons 15 & 16)



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Unit 5

Desbook	Lesson Type	IM Equivalent
Lesson 1: Turtle Crossing	Digital	
Lesson 2: Guess My Rule	Digital or Paper	Grade 8 (Unit 5, Lessons 1 & 2)
Lesson 3: Function or Not?	Digital	Grade 8 (Unit 5, Lesson 4)
Lesson 4: Window Frames	Digital	Grade 8 (Unit 5, Lesson 3)
Quiz 1	Digital or Paper	Grade 8 (Unit 5, Lessons 1–4)
Lesson 5: The Tortoise and the Hare	Digital	Grade 8 (Unit 5, Lesson 5)
Lesson 6: Graphing Stories	Digital	Grade 8 (Unit 5, Lesson 6)
Lesson 7: Feel the Burn	Paper	Grade 8 (Unit 5, Lesson 7)
Lesson 8: Charge!	Paper with Teacher Presentation Screens	Grade 8 (Unit 5, Lesson 9)
Lesson 9: Piecing It Together	Digital	Grade 8 (Unit 5, Lesson 10)
Practice Day 1	Paper	
Quiz 2	Digital or Paper	Grade 8 (Unit 5, Lessons 5–10)
Lesson 10: Volume Lab	Digital with worksheet	Grade 8 (Unit 5, Lesson 12)
Lesson 11: Cylinders	Digital	Grade 8 (Unit 5, Lessons 13)
Lesson 12: Scaling Cylinders	Digital	Grade 8 (Unit 5, Lessons 11, 17, 18)
Lesson 13: Cone	Digital	Grade 8 (Unit 5, Lesson 15, 17, 18)
Lesson 14: Missing Dimensions	Paper	Grade 8 (Unit 5, Lessons 14 & 16)
Lesson 15: Spheres	Digital with worksheet	Grade 8 (Unit 5, Lessons 19, 20, 21)
Practice Day 2	Paper	



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Unit 6

Desbook	Lesson Type	IM Equivalent
Lesson 1: Click Battle	Digital	Grade 8 (Unit 6, Lesson 1)
Lesson 2: Wing Span	Digital	Grade 8 (Unit 6, Lesson 2)
Lesson 3: Robots	Digital	Grade 8 (Unit 6, Lesson 3)
Lesson 4: Classy Cats	Digital	Grade 8 (Unit 6, Lesson 4)
Practice Day 1	Paper	
Lesson 5: Fit Fights	Digital	Grade 8 (Unit 6, Lesson 5)
Lesson 6: Interpreting Slopes	Digital	Grade 8 (Unit 6, Lesson 6)
Lesson 7: Scatter Plot City	Digital	Grade 8 (Unit 6, Lesson 7)
Lesson 8: Animal Brains	Digital	Grade 8 (Unit 6, Lesson 8)
Practice Day 2	Paper	
Lesson 9: Tasty Fruit	Digital	Grade 8 (Unit 6, Lesson 9)
Lesson 10: Finding Associations	Digital	Grade 8 (Unit 6, Lesson 9)
Lesson 11: Federal Budgets	Digital with worksheet	Grade 8 (Unit 6, Lesson 10)
Practice Day 3	Paper	



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Unit 7

Desbook	Lesson Type	IM Equivalent
Lesson 1: Circles	Digital	Grade 8 (Unit 7, Lesson 1)
Lesson 2: Combining Exponents	Digital	Grade 8 (Unit 7, Lessons 2, 3, 6 & 8)
Lesson 3: Power Pairs	Paper	Grade 8 (Unit 7, Lessons 2, 3, 6 & 8)
Lesson 4: Rewriting Powers	Digital	Grade 8 (Unit 7, Lessons 4, 6, & 8)
Lesson 5: Zero and Negative Exponents	Digital	Grade 8 (Unit 7, Lessons 5 & 8)
Lesson 6: Write a Rule	Paper with Teacher Presentation Screens	Grade 8 (Unit 7, Lessons 2, 3, 4, 5, & 6)
Practice Day 1	Paper	
Quiz	Digital or Paper	Grade 8 (Unit 7, Lessons 1–6)
Lesson 7: Scales and Weights	Digital	Grade 8 (Unit 7, Lesson 9)
Lesson 8: Point Zapper	Digital	Grade 8 (Unit 7, Lessons 10 & 11)
Lesson 9: Use Your Powers	Digital	Grade 8 (Unit 7, Lesson 12)
Lesson 10: Solar System	Digital	Grade 8 (Unit 7, Lesson 13)
Lesson 11: Balance the Scales	Digital	Grade 8 (Unit 7, Lesson 14)
Lesson 12: City Lights	Digital	Grade 8 (Unit 7, Lesson 15)
Lesson 13: Star Power	Digital with worksheet	Grade 8 (Unit 7, Lesson 16)
Practice Day 2	Paper	



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Unit 8

Desbook	Lesson Type	IM Equivalent
Lesson 1: Tilted Squares	Digital with worksheet or Paper	Grade 8 (Unit 8, Lesson 1)
Lesson 2: From Squares to Roots	Digital	Grade 8 (Unit 8, Lesson 2)
Lesson 3: It's Hip to Be Squared	Digital	Grade 8 (Unit 8, Lesson 4)
Lesson 4: Root Down	Digital	Grade 8 (Unit 8, Lesson 5)
Lesson 5: Filling Cubes	Digital	Grade 8 (Unit 8, Lessons 12 & 13)
Practice Day 1	Paper	
Quiz	Digital or Paper	Grade 8 (Unit 8, Lessons 1, 2, 4, 5, 12 & 13)
Lesson 6: The Pythagorean Theorem	Digital with worksheet	Grade 8 (Unit 8, Lesson 6)
Lesson 7: Pictures to Prove It	Digital with worksheet or Paper	Grade 8 (Unit 8, Lesson 7)
Lesson 8: Triangle-Tracing Turtle	Digital	Grade 8 (Unit 8, Lesson 8)
Lesson 9: Make It Right	Digital	Grade 8 (Unit 8, Lesson 9)
Lesson 10: Taco Truck	Digital	Grade 8 (Unit 8, Lesson 10)
Lesson 11: Pond Hopper	Digital	Grade 8 (Unit 8, Lesson 11)
Practice Day 2	Paper	
Lesson 12: Fractions to Decimals	Digital or Paper	Grade 8 (Unit 8, Lesson 14)
Lesson 13: Decimals to Fractions	Digital	Grade 8 (Unit 8, Lesson 15)
Lesson 14: Hit the Target	Digital	Grade 8 (Unit 8, Lesson 3)