*1 Day Pacing = 45 min. Session

Module 1: Composing and Decomposing

Topic 4: Decimals and Volume

Lesson #	Lesson Title	Lesson Subtitle	Highlights	TEKS	Pacing*
ELPS: 1.A, 1.B, 1.C, 1.D, 1.E, 1.F, 1.G, 1.H, 2.C, 2.D, 2.E, 2.G, 2.H, 2.I, 3.A, 3.B, 3.C, 3.D, 3.E, 3.F, 3.G, 3.J, 4.A, 4.B, 4.C, 4.D, 4.F, 4.G, 4.I, 4.K, 5.A, 5.B, 5.C, 5.D, 5.E, 5.F, 5.G					
1	Depth, Width and Length	Deepening Understanding of Volume	In this lesson, students are introduced to geometric solids. Students will investigate various figures and sort them based on the definition of a polygon or a polyhedron. The intent of this lesson is for students to determine the volume of a right rectangular prism with fractional edge lengths by packing it with unit cubes of the appropriate unti fraction edge lengths. In addition, they will review and practice decimal multiplication by calculating volumes of right rectangular prisms.	6.8C 6.8D	2
2	Which Warehouse?	Volume Composition and Decomposition	A scenario about building a bench is provided. Students review estimating sums and differences of decimals and how to add and subtract decimals by adding or subtracting the digits in like place values. They then determine the volume of the bench, a composite solid, using decomposition into smaller rectangular prisms and composition into a larger rectangular prism. The two different strategies require either addition or subtraction of decimals. Students practice solving problems requiring addition and subtraction of decimal volumes.	6.3E 6.8D	2

Lesson #	Lesson Title	Lesson Subtitle	Highlights	TEKS	Pacing*
3	Breaking the Fourth Wall	Surface Area of Rectangular Prisms and Pyramids	Students apply mathematical and spatial reasoning to determine the surface areas of prisms and pyramids using nets, drawings, and measurements. Students solve a variety of surface area problems and distinguish between volume and surface area measurements.	7.9D	2
4	Dividend in the House	Dividing Whole Numbers and Decimals	In this lesson, students use the standard algorithm for long division with whole numbers. They demonstrate how the algorithm works for decimal dividends by relating it to a model and make sense of why the algorithm is modified to accommodate decimal divisors. Students solve area and volume problems requiring decimal division.	6.3E 6.8D	2
End of Topic Assessment					1