

Grade: 7		Mastery Check	
Benchmark #: 7.3.2.K6a-b (surface area/volume rectangular prisms)		5	
<u>State Language:</u> Uses given measurement formulas to find: a) surface area of cubes; b) volume of rectangular prisms		<u>Student Friendly Language:</u> Students will find: a) surface area of cubes using the formula $SA=6s^2$ b) volume of rectangular prisms using the formula $V=lwh$	
<u>Concept (Students will know):</u> <ul style="list-style-type: none"> Substitution (replace a variable in a formula with a numerical value) Formulas for surface area and volume of rectangular prisms Order of operations (due to formula for SA) 		<u>Skills (Students will do):</u> <ul style="list-style-type: none"> Find the surface area of any given cube (given one side) Find the volume of rectangular prisms (given a picture or word problem containing length, width and height of the prism) 	<u>DOK Level:</u> 2
<u>Big Ideas:</u> Students will be able to find and distinguish the difference between the surface area of a cube and volume of rectangular prism.			
<u>Essential Questions:</u> <ol style="list-style-type: none"> Is surface area squared or cubed, and why? Is volume of rectangular prisms squared or cubed and why? How do you find the surface area of a cube? How do you find the volume of a rectangular prism? 			
<u>Core Materials</u> Text Book		<u>Supplemental Materials:</u> Resource workbooks Teacher generated Technology (Study Island/BAIP)	
<u>Teaching Strategies:</u> Guided Practice Hands on-real life items			
<u>Mastery Check Items:</u>			