

Summer Math Choice Boards

Entering 6th Grade

<p>Build a rectangular LEGO or block structure and measure the length, width, and height in both centimeters and inches.</p> <p>length _____ cm _____ in</p> <p>width _____ cm _____ in</p> <p>height _____ cm _____ in</p>	<p>Find a recipe you want to make (ie. cookies). What quantities of each ingredient do you need?</p> <p>How much would you need of each ingredient if you doubled the recipe?</p>	<p>Go grocery shopping with your parents. Choose 3 items on the list and find the unit price for each item.</p>
<p>If you were to buy a carpet that completely covered the floor of your room, what would its area be in square feet? How did you figure it out?</p>	<p>Go out to dinner with your family. If you were to split the bill equally between each person in your family, how much would each person pay? How do you know?</p>	<p>Find and list 3 different ways fractions are found in your home and 3 different ways fractions are found outside your home.</p>
<p>Find and take a picture of 3 different geometric figures you find in nature.</p>	<p>Describe 2 patterns that you notice in nature.</p>	<p>Identify 3 different ways math was involved in your life this summer.</p>

Summer Math Choice Boards Entering 7th Grade

<p>Build a rectangular LEGO or block structure and measure the length, width, and height in both centimeters and inches.</p> <p>length _____ cm _____ in</p> <p>width _____ cm _____ in</p> <p>height _____ cm _____ in</p>	<p>Find a recipe you want to make (ie. cookies). What quantities of each ingredient do you need?</p> <p>How much would you need of each ingredient if you make $1\frac{1}{2}$ times the recipe?</p>	<p>Go grocery shopping with your parents. Choose 4 items on the list and find the unit price for each item.</p>
<p>If you were to paint one wall of your room (but not the windows), what would its area be in square feet? How did you figure it out?</p>	<p>Go out to dinner with your family. If you were to split the bill equally between each person in your family, how much would each person pay?</p> <p>If you left a 10% tip on the total bill, how much would that be?</p>	<p>Find and list 4 different ways fractions are found in your home and 4 different ways fractions are found outside your home.</p>
<p>Find and take a picture of 4 different geometric figures you find in nature.</p>	<p>Describe 3 patterns that you notice in nature.</p>	<p>Identify 4 different ways math was involved in your life this summer.</p>

Summer Math Choice Boards Entering 8th Grade

<p>Build a rectangular LEGO or block structure and find the perimeter, base area, and volume in either centimeters or inches.</p> <p>Perimeter: _____</p> <p>Area: _____</p> <p>Volume: _____</p>	<p>Find a recipe you want to make (ie. cookies). What quantities of each ingredient do you need?</p> <p>How much would you need of each ingredient if you make 2.5 times the recipe?</p>	<p>Go grocery shopping with your parents. Choose 5 items on the list and find the unit price for each item.</p>
<p>If you were to paint all of the walls of your room (but not the windows or doors), what would its area be in square feet? How did you figure it out?</p>	<p>Go out to dinner with your family. If you were to split the bill equally between each person in your family, how much would each person pay?</p> <p>If you left a 15% tip on the total bill, how much would that be?</p>	<p>Find and list 5 different ways fractions are found in your home and 5 different ways fractions are found outside your home.</p>
<p>Find and take a picture of 5 different geometric figures you find in nature.</p>	<p>Find and take a picture of a fractal pattern you find in nature and a tessellation that was man-made.</p>	<p>Identify 5 different ways math was involved in your life this summer.</p>