

Name: _____

December Choice Board



DUE: DECEMBER _____

Directions: You must do 2 different assignments. Each is worth 50 points and together add up to a test grade for the month. Answer them on a separate sheet of paper showing all work and attach them to this paper.

<p>Find the area and circumference of each circle with the given measurements (be sure to label properly):</p> <p>$r = 10'$ $d = 3''$ $r = 18\text{cm}$</p> <p>$d = 64\text{cm}$ $r = 22\text{m}$ $d = 13\text{yd}$</p> <p>$r = 6\text{mm}$ $d = 8\text{in}$ $r = 7.8\text{ km}$</p>	<p>Complete the quiz saved on my website or follow this link:</p> <p>Ratios, Proportions, Similarity and Dilations Quiz.pdf</p> <p>If you complete this activity, it is the only box you need to complete this month.</p>	<p>Create a study sheet or posters for volume and surface area. Provide the definition, how to solve, and samples for both topics. Then create a five question practice sheet. Attach an answer key.</p>
<p>Complete the worksheet saved on my website or follow this link:</p> <p>Dilations Worksheet.pdf</p>	<p>Design a rap, song, or poem about the difference between surface area and volume. Write the lyrics down and decide if you want to perform or not.</p>	<p>Describe 10 occupations that incorporate area, surface area, or volume. Be very specific on the job title and explain how that job uses area, SA, or volume.</p>
<p>Rewrite the following proportions and solve.</p> <p>1) $4 : 5 = 8 : \underline{\quad} = 12 : \underline{\quad} = 16 : \underline{\quad} = 20 : \underline{\quad} = 24 : \underline{\quad}$</p> <p>2) $4 : 9 = 8 : \underline{\quad} = 12 : \underline{\quad} = 16 : \underline{\quad} = \underline{\quad} : 45 = 24 : \underline{\quad}$</p> <p>3) $1 : 4 = 2 : \underline{\quad} = \underline{\quad} : 12 = \underline{\quad} : 16 = \underline{\quad} : 20 = \underline{\quad} : 24$</p> <p>4) $2 : 3 = 4 : \underline{\quad} = \underline{\quad} : 9 = 8 : \underline{\quad} = 10 : \underline{\quad} = \underline{\quad} : 18$</p> <p>5) $1 : 6 = \underline{\quad} : 12 = \underline{\quad} : 18 = 4 : \underline{\quad} = 5 : \underline{\quad} = \underline{\quad} : 36$</p>		<p>Complete the worksheet saved on my website or follow this link:</p> <p>Volume of Pyramids and Cones.pdf</p>