

Experimental Math!!: Duct Tape Flower Project

SUPPORT *PERSEVERANCE SPIRIT*

Name: _____ Grade: _____ Email: _____

Objective: Design a scaled cookie using the properties of circle. Create a scale napkin using measurement dimensions as well as calculation of area and perimeter. Finally, Create an advertisement using all four kinds of sentences!

Flower Vase (Circle) Properties Key				Cookie Problems!
<i>Property</i>	<i>Color</i>	<i>Property</i>	<i>Color</i>	
diameter		chord		<i>Katy received the most roses while Pam had the least, and Ted received five just one more than Bob. Which statement below is correct!</i>
radius		tangent		a) Katy =10 roses, Pam = 9 roses, Ted= 8, Bob=7
area		circumference		b) Katy =10 roses, Ted = 5 roses, Bob=4 , Pam=3
Diameter=	cm	Radius=	cm	c) Katy =10 roses, Ted = 5 roses, Pam=4 , Bob=3

Draw a vase with an opening with the diameter of 8 cm!_.

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Designer your Flower and Vase Activities

Advanced (high) Proficient (Grade Level)
Basic (Approaching Grade Level) Minimal (Intervention Needed)

<p>First: <i>Circular Vase Blueprint:</i> You must draw your vase from in a top-view scale form. This means, draw a circle with a diameter of 4 inches. Use a color key. Label: diameter, radius, chord, circumference, surface area, chord, and tangent. Also name your special cookie!</p>	<p>advanced <i>proficient</i> basic <i>minimal</i></p>
<p>Next: <i>Rectangular Vase Blueprint:</i> You must draw a rectangular vase. This means, draw a rectangle with a length of 8 inches and a width of 3 inches. Use a color key. Label: perimeter and area. Then, calculate area in square inches and perimeter in inches. Also, Design your vase with a tessellation!</p>	<p>advanced <i>proficient</i> basic <i>minimal</i></p>
<p>Next: <i>Advertisement:</i> Design an advertisement that includes 4 sentences and 4 vocabulary words. The four sentences must include: one imperative (Command-example: <i>Pass the ketchup.</i>), one interrogative (Question-example: <i>Do you have the ketchup?</i>), one declarative (statement-example: <i>Ketchup is made from tomatoes.</i>), and one exclamatory (Shows emotion-example: <i>Ketchup is delicious!</i>). Finally, include four illustrations!</p>	<p>advanced <i>proficient</i> basic <i>minimal</i></p>
<p>Finally: <i>Plan, Design, and Create!</i> Complete the design process! Make your flower and vase using the supplies provided!</p>	<p>advanced <i>proficient</i> basic <i>minimal</i></p>

Name of Flower: _____

Theme of Vase: _____

Vocabulary List (Math Words!)

less likely	certainty	array	chosen	probability	analysis	collection	likely	predict	verify
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(Homophones!)

ware	wear	where	sent	cheap	which	who's	ring
throne	peer	plain	cent	cheep	witch	whose	wring
thrown	pier	plane	scent	we're	rays	threw	through
waist	waste	real	reel	were	raise	site	sight