Name:	:		Date:			
	•	Shrinky Dink® Fun! © Rachel Chou				
on a pl	GROUND: You are probably familiar wit lastic sheet and heating it. During the h ly proportional) version of the original c	neating process, the plastic shrinks,	, ,			
TNST	RUCTIONS:					
	1. Use a pencil and lightly outline your drawing on your Shrinky Dink® paper. Before you begin your drawing, be certain of what you want to draw, as the paper is somewhat expensive. Tracing a picture out of a magazine or book, or finding something online to trace is a great idea. Do not pick any picture or design that is long and skinny, for such designs will curl when they are heated. Avoid a shape that is a simple square or rectangle as that would be boring. Use a hole-punch to make a hole that you can use to hang your design on the bulletin board.					
2.	Use colored pencils or permanent markers to color your picture.					
3.	Cut your design out carefully.					
4.	4. With a metric ruler, measure the width of your cutout at its widest point and its height at its tallest point. Record your measurements here:					
	Original width :cm.	Original height :	cm.			
5.	5. Use graph paper to approximate the area of your cutout in square units. Each square on the graph paper equals 1 square unit. By tracing your cutout onto graph paper, you should be able to estimate the approximate area of your cutout. Attach the graph paper to this handout and show how you calculated the area of your design.					
	My cutout is approximately	graph paper squar	e units.			

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7.	When you get your cutout back, measure the width of your cutout at its widest point and its height at its tallest point. Record your measurements here:				
	New width:	cm.	New height :	cm.	
8.	Compare your measurements in #7 to the measurements that you took in #4. How do they compare? What is the ratio of the old height to the new height? What is the ratio of the old width to the new width?				
	$\frac{Old\ width}{New\ width} =$		$\frac{Old\ height}{New\ height} =$		
	New width		New height		
9.	Use graph paper to approximate the area of your Shrinky Dink. Sketch the design next to the original and show the method you use to calculate the new area.				
	My Shrinky Dink is appr	oximately		graph paper square units.	
10.	. Compare your second area measurement to your measurement in #5. How do they compare? What is the ratio of the old area to the new area?				
			$\frac{Old\ area}{New\ area} =$		
11.	Are your ratios in #8 an work out perfectly, why		•	P How <u>should</u> they relate? If things didn't	
12.	Your Shrinky Dink is mu Explain your reasoning.	ch thicker now that it	t has been baked.	. How much thicker do you think it is?	