

Name: \_\_\_\_\_

- TI: Underline/Highlight Terms and Information
- P: Problem is worked out
- S: Solution is in a complete sentence

Make sure to follow the TIPS to solve the word problems:

D Marquis is hungry for pizzal He has a choice between Pizza A: Half of a 16 inch pizza or Pizza  
 A A whole 10 inch pizza to himself. Which pizza would ensure him the largest amount?  
 Y  
 1

Computation: Show all your work & circle your answer

Observe the below table.

$d$ Diameter (Centimeter s)	$A$ Area (Square Centimeters )
3	7.065
6	28.26
7	38.465
12	113.04

Is there a proportional relationship between diameter and area of circles?

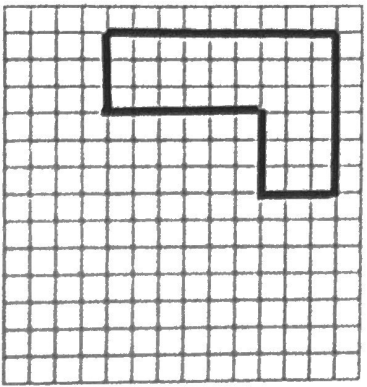
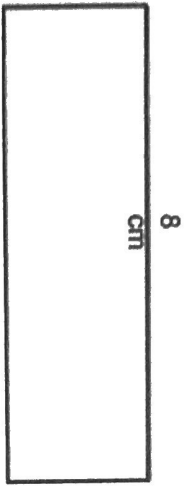
D Saanika wanted to print a few pictures of her and her friends to put in her locker. Circle the  
 A print sizes that are proportional:  
 Y  
 2

- 2" x 3"      4" x 6"      5" x 7"      8" x 10"
- Print #1    Print #2    Print #3    Print #4

Amy is feeding her friend's llamas while her friend is away. Each llama gets  $\frac{1}{4}$  cup of a grain and vitamin mixture. She used  $3\frac{3}{4}$  cups of food. How many llamas does her friend have?

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<p>D A Y 3</p> <p>Create a scaled copy of the original figure by using a scale factor of <math>\frac{1}{3}</math>.</p> 	<p>The scale of a map says that 3 inches represents 4 miles. What distance on a map represents an actual distance of 2 miles?</p>
<p>D A Y 4</p> <p>If the rectangle below is enlarged using a scale factor of 3, what will be the perimeter of the new rectangle?</p> 	<p>Evaluate the following expression if <math>c = 2</math>, <math>a = 5</math>, <math>b = \frac{1}{4}</math></p> $4ab + c$
<p>D A Y 5</p> <p>An architect is making a scale model of a building that she is designing. This building will be 123 feet tall. On the model, 5 centimeters will represent 3 feet. How many centimeters tall with the model be?</p>	<p>Mikala bought a car for \$18,400. After one year, the value of the car decreased by 12%. How much is Mikala's car worth now?</p>