## **Changing Dimensions – NOTES**

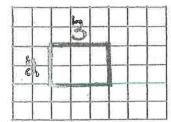
When you are looking at how changing the dimensions

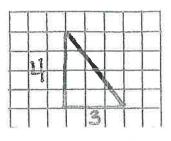
quadrupled the dimensions?

The lange budding to th

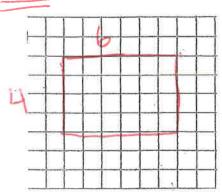
affects area, you only have dim	nensions.
The length and width.	
3 cm A =	= Length x Width = x3 = cm <sup>2</sup>
If we double the dimensions, how does it affect area and why?	
Length = 12 Width = d	loaibled
Area = Length x Width Tripled Len	gth = 18 cm wdth = 9cm
$A = \frac{12}{72} \times \frac{6}{\text{cm}^2}$ $A = \frac{72}{72} \times \frac{6}{72} \times \frac{6}{$	
What do you think would happen to the area if we tripled or	

## **Changing Dimensions**

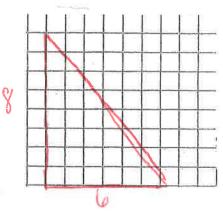




## **Double the Dimensions**

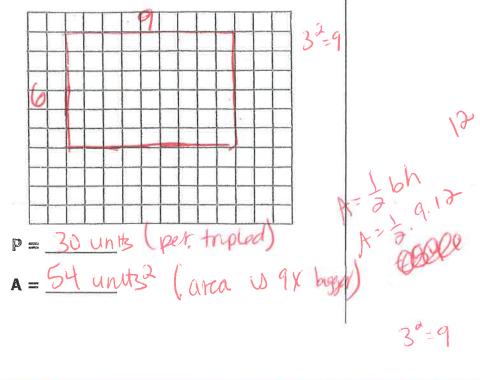


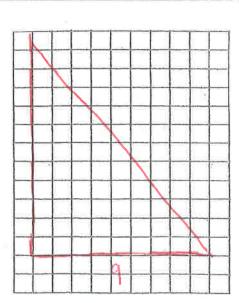
22=4



2°=4 A= 24 units quadripled

## Triple the Dimensions





A = 54 unte 9 q x bigger