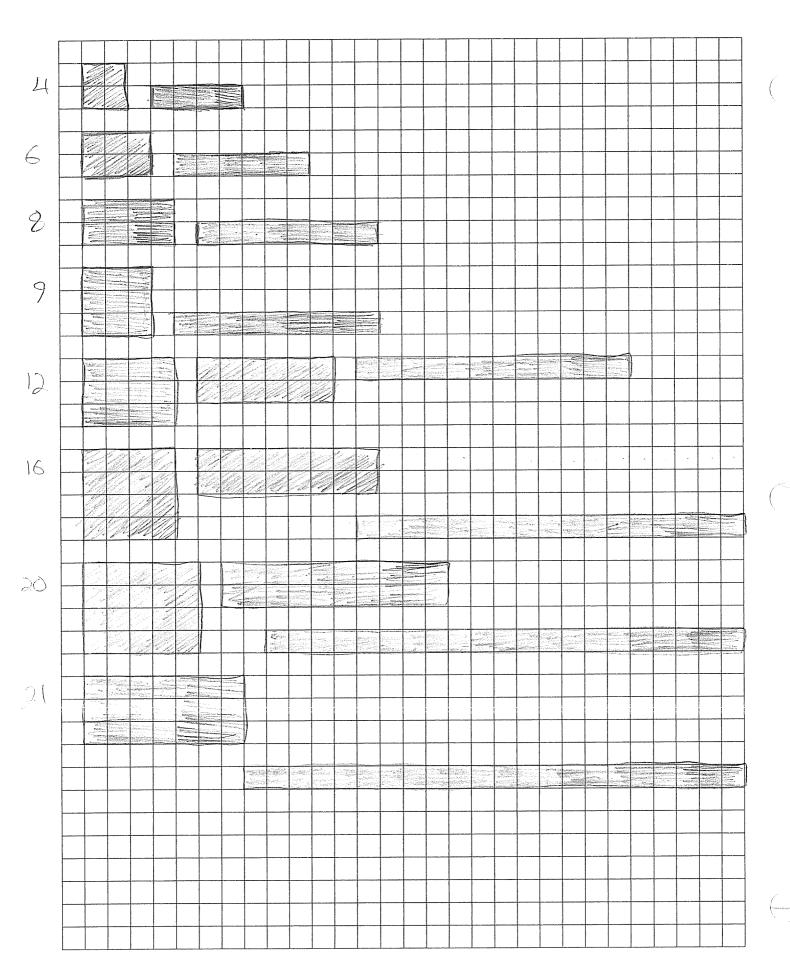
Name: Date:	Mr. Johnson Math 8				
<u>Lesson 1.1 – Square Numbers & Area Models</u>					
Think it out					
What do you think a square number is?					
What are some properties we know about rectangles? - sides apposite each offer of a complete each of a complete each of a complete each offer of	geal				
- -					
What are some properties we know about squares? - have 4 equal sides - each L = 90° - a square is a rectangle					
Every square is a rectangle. True False Every rectangle is a square. True False					
Investigate:					
Using the grid paper on the back of this sheet make as many different rectangles as you can with each area.					
4 square units 6 square units 8 squar 12 square units 16 square units 20 squar	e units 9 square units 21 square units				
Circle which of the above areas you were able to make square.					
How is the side length of a square related to its area?					
The side length of a square	e is multiplied by				



Notes:

- When we multiply a number by $\frac{1}{1+1}$, we see the number. For example $3^2 = 3 \times 3 = 9$. We would say three squared is $\frac{1}{1+1}$.

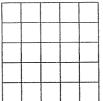
- For example $5^2 = 5 \times 5 = 25$ We would say five squared is $\frac{1}{1000} = \frac{1}{1000} = \frac{1}{100$

But how could we show that 25 is a square number? Well I am glad you asked!!!

Square numbers can be shown by using discretion, source, and word.

> By using Access

Draw a square with an area of 25 square units.



> By using sords:

We say: thenty five is five some

Mistakes Grade 8's make:

- Whenever we are talking about area the units are always _____. O Units squared, cm², m², km²
- They do not her while doing assignments like this one and mean Mr. Johnson makes them redo it!!!!

Assignment:

Pg. 8-10

#'s 1-5, 12, 14, 18, 19

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