Exploring Square Numbers

Home Link 2-1		
NAME	DATE	TIME

A **square number** is a number that can be written as the product of a number multiplied by itself. For example, the square number 9 can be written as 3 * 3.





1 Fill in the missing factors and square numbers.

Factors	Square Number	
	4	
3 * 3	9	
4 * 4		
	25	
	36	

- 2 What pattern(s) do you see in the factors? In the products?
- (3) What other pattern(s) do you see in the table?
- 4 Write an equation to describe each array.



Equation: _____

Equation: _____

- (5) a. Which of the arrays above shows a square number? _____
 - **b.** Explain. _____

Practice

6 32, 45, 58, _____, ____, ____

Rule: _____

7 _____, ____, 89, 115, 141

Rule: _____