

Building Squares with Arrays

Name: _____

Date: _____

Instructions: A square array has the same number of rows and columns. The square root tells us how many rows (or columns) are in the array.

Part A: Draw Square Arrays

Draw dots or circles to complete each square array.

1. $3 \times 3 = 9$

Draw 3 rows of 3 dots:

2. $4 \times 4 = 16$

Draw 4 rows of 4 dots:

3. $5 \times 5 = 25$

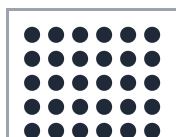
Draw 5 rows of 5 dots:

Part B: Find the Square Root

Look at each array and write how many rows (or columns) there are.



4. Total dots = 4, so the square root of 4 = _____



5. Total dots = 36, so the square root of 36 = _____



Part C: Complete the Table

Square Number	Array Size (rows × columns)	Square Root
1	1 × 1	_____
9	_____ × _____	_____
16	_____ × _____	_____
25	_____ × _____	_____
49	_____ × _____	_____