

STUDY LINK
1.7

Exploring Square Numbers



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 $3 * 3$.

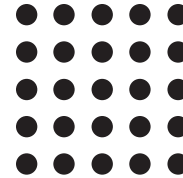
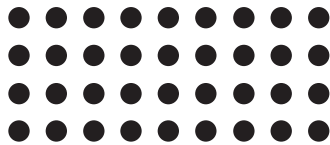


$$9 = 3 * 3 = 3^2$$

Fill in the missing numbers.

1. $4 * 4 =$ _____ 2. _____ $= 7 * 7$ 3. _____ $* 6 = 36$
4. $8^2 =$ _____ 5. $5^2 =$ _____ 6. _____ $= 9^2$

Write a number model to describe each array.



7. Number model: _____ 8. Number model: _____
9. a. Which of the arrays above shows a square number? _____

b. Explain your answer.

Practice

10. $97 * 43 =$ _____ 11. $4,006 - 2,675 =$ _____
12. $1,416 + 8,348 =$ _____ 13. $725 - 414 =$ _____

