Name: _____ Date: _____

Square patterns

Write the answer in the box. Some answers have a pick list.



1. The side lengths of three square tile patterns are 1, 2 and 3. The sides grow by 1 each time. How many tiles are in the next square?

   💡 Hint: A square of side 4 has 4 rows of 4 tiles: 4 × 4.

   16

2. A square has 5 rows of tiles with 5 tiles in each row. How many tiles are there?

   💡 Hint: A square of side 4 has 4 rows of 4 tiles: 4 × 4.

   25

3. A square has 3 rows of tiles with 3 tiles in each row. How many tiles are there?

   💡 Hint: A square of side 4 has 4 rows of 4 tiles: 4 × 4.

   9

4. The side lengths of three square tile patterns are 5, 6 and 7. The sides grow by 1 each time. How many tiles are in the next square?

   💡 Hint: A square of side 4 has 4 rows of 4 tiles: 4 × 4.

   64

5. The side lengths of three square tile patterns are 4, 5 and 6. The sides grow by 1 each time. How many tiles are in the next square?

   💡 Hint: A square of side 4 has 4 rows of 4 tiles: 4 × 4.

   49

6. A square has 6 rows of tiles with 6 tiles in each row. How many tiles are there?

   💡 Hint: A square of side 4 has 4 rows of 4 tiles: 4 × 4.

   36

7. A square has 2 rows of tiles with 2 tiles in each row. How many tiles are there?

   💡 Hint: A square of side 4 has 4 rows of 4 tiles: 4 × 4.

   4

8. The side lengths of three square tile patterns are 3, 4 and 5. The sides grow by 1 each time. How many tiles are in the next square?

   💡 Hint: A square of side 4 has 4 rows of 4 tiles: 4 × 4.

   36

9 A square has 4 rows of tiles with 4 tiles in each row. How many tiles are there?

💡 Hint: A square of side 4 has 4 rows of 4 tiles: 4 × 4.

16

10 The side lengths of three square tile patterns are 2, 3 and 4. The sides grow by 1 each time. How many tiles are in the next square?

💡 Hint: A square of side 4 has 4 rows of 4 tiles: 4 × 4.

25