Squire Square

Squire Square is investigating square numbers. When you multiply a number by itself, you get a square number. We show a number is being squared by writing a small number 2 above and to the right of the number. For example:

2^2 = 2 squared = 2 × 2 = 4

This can also be illustrated with a square:

Complete the following table with all the square numbers up to 10^2 to help Squire Square.

1^2	1 × 1	1
2^2		
3^2		
		16
5^2		
6^2		36
	7 × 7	
8^2		
9^2		
10^2		

Well done – you completed the squire's challenge! Now, try to complete these calculations using your knowledge of square numbers.

1. $7^2 + 3^2$ = _____
2. $10^2 + 6^2$ = _____
3. $3^2 + 8^2$ = _____
4. $4^2 + 5^2$ = _____
5. $6^2 + 6^2$ = _____
6. $3^2 + 4^2 + 5^2$ = _____

Squire Square Answers

1^2	1 × 1	1
2^2	**2 × 2**	**4**
3^2	**3 × 3**	**9**
4^2	**4 × 4**	16
5^2	**5 × 5**	**25**
6^2	**6 × 6**	36
7^2	7 × 7	**49**
8^2	**8 × 8**	**64**
9^2	**9 × 9**	**81**
10^2	**10 × 10**	**100**

1. $7^2 + 3^2 =$ **58 (49 + 9)**
2. $10^2 + 6^2 =$ **136 (100 + 36)**
3. $3^2 + 8^2 =$ **73**
4. $4^2 + 5^2 =$ **41**
5. $6^2 + 6^2 =$ **72**
6. $3^2 + 4^2 + 5^2 =$ **50**