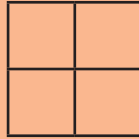


Squire Square

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:

$$2^2 = 2 \text{ squared} = 2 \times 2 = 4$$

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. $7^2 + 3^2 =$ _____

4. $4^2 + 5^2 =$ _____

2. $10^2 + 6^2 =$ _____

5. $6^2 + 6^2 =$ _____

3. $3^2 + 8^2 =$ _____

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. $3^2 + 4^2 + 5^2 = 50$