

Quick Review

* When you multiply a number by itself, you square the number.

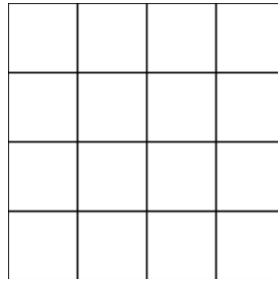
The square of 4 is $4 \times 4 = 16$

We write $4^2 = 4 \times 4 = 16$

We say: Four Squared is 16

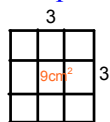
16 is a square number, or a Perfect Square

*You can model a square number by drawing a square whose area is equal to the square number. You can model 16 using a Square with side length of 4 units.



* Find the perimeter of a square with area 9 cm^2 ?

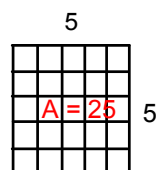
First find the side length of the square.



$$A = 3^2 = 3 \times 3 = 9 \text{ cm}^2$$

$$P = 4(3) = 12 \text{ cm}$$

25 is a perfect square because you can create a square with area 25 square units using Square tiles



$$A = 5^2 = 5 \times 5 = 25$$

$$P = 4(5) = 20$$

Example: Area of a square is 64. Find its perimeter.

$$A = 64 - \text{measure of each side } 8 \text{ is } 8. P = 4(8) = 32$$

