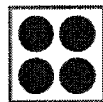


Square numbers

From: *A Maths Dictionary for Kids* by Jenny Eather at www.amathsdictionaryforkids.com

Square numbers are numbers which can be represented in the shape of a square. A square number results from multiplying an integer by itself and may also be called a perfect square.

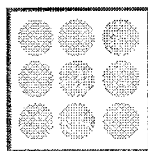
4



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

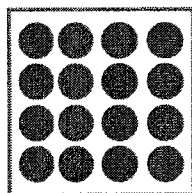


9



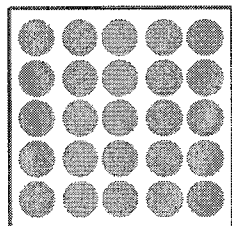
$$3^2 \text{ or } 3 \times 3 = 9$$

16



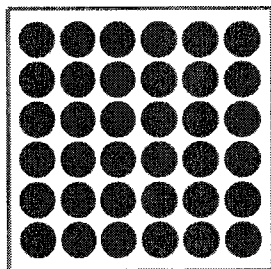
$$4^2 \text{ or } 4 \times 4 = 16$$

25



$$5^2 \text{ or } 5 \times 5 = 25$$

36



$$6^2 \text{ or } 6 \times 6 = 36$$



A number to be squared is indicated by a small 2 placed to its upper-right. This number is called an exponent, index, power or order and shows how many copies of the base number to multiply together.

$$\begin{array}{ccccccc} & & \text{exponent, index,} & & & & \\ & & \text{power or order} & & & & \\ & & \leftarrow & & & & \\ & & 2 & = & 2 \times 2 & = & 4 \\ \text{base} & & & & \text{expanded} & & \text{value} \end{array}$$

© Jenny Eather 2013. All rights reserved.

Educational reference material for non-commercial use only.