

S Q U A R E N U M B E R S

$1 \times 1 = 1$

$11 \times 11 = 121$

$2 \times 2 = 4$

$12 \times 12 = 144$

$3 \times 3 = 9$

$13 \times 13 = 169$

$4 \times 4 = 16$

$14 \times 14 = 196$

$5 \times 5 = 25$

$15 \times 15 = 225$

$6 \times 6 = 36$

$16 \times 16 = 256$

$7 \times 7 = 49$

$17 \times 17 = 289$

$8 \times 8 = 64$

$18 \times 18 = 324$

$9 \times 9 = 81$

$19 \times 19 = 361$

$10 \times 10 = 100$

$20 \times 20 = 400$

Finding Square Root Examples...

$$\begin{array}{r} \underline{16} \\ 8 \\ 4 \\ 0 \end{array} \quad \begin{array}{l} \div 2 \curvearrowright \\ \div 2 \curvearrowleft \\ \div 2 \end{array} \quad 2 \times 2 = 4$$

$$\begin{array}{r} \underline{256} \\ 128 \\ 64 \\ 0 \end{array} \quad \begin{array}{l} \div 2 \curvearrowright \\ \div 2 \curvearrowleft \\ \div 8 \end{array} \quad 2 \times 8 = 16$$

$$\begin{array}{r} \underline{144} \\ 72 \\ 36 \\ 0 \end{array} \quad \begin{array}{l} \div 2 \curvearrowright \\ \div 2 \curvearrowleft \\ \div 6 \end{array} \quad 2 \times 6 = 12$$

or

$$\begin{array}{r} \underline{144} \\ 72 \\ 36 \\ 18 \\ 9 \\ 3 \\ 0 \end{array} \quad \begin{array}{l} \div 2 \curvearrowright \\ \div 2 \curvearrowleft \\ \div 2 \curvearrowright \\ \div 2 \curvearrowleft \\ \div 3 \\ \div 1 \end{array} \quad 2 \times 2 \times 3 = 12 \quad \begin{array}{l} 144 \div 2 = 72 \\ 72 \div 2 = 36 \\ 36 \div 2 = 18 \\ 18 \div 2 = 9 \\ 9 \div 3 = 3 \\ 3 \div 3 = 1 \end{array}$$