

Square # end on 3

$$\begin{array}{r} 13 \\ 13 \\ \hline 169 \end{array}$$

$13 + 3 = 16$

$16 * 1 = 16$

$$\begin{array}{r} 23 \\ 23 \\ \hline 529 \end{array}$$

$23 + 3 = 26$

$26 * 2 = 52$

$$\begin{array}{r} 33 \\ 33 \\ \hline 1089 \end{array}$$

$33 + 3 = 36$

$36 * 3 = 108$

$$\begin{array}{r} 53 \\ 53 \\ \hline 2809 \end{array}$$

$53 + 3 = 56$

$56 * 5 = 280$

$$\begin{array}{r} 93 \\ 93 \\ \hline 8649 \end{array}$$

$93 + 3 = 96$

$96 * 9 = 864$

$$\begin{array}{r} 103 \\ 103 \\ \hline 10609 \end{array}$$

$103 + 3 = 106$

$106 * 10 = 1060$

$$\begin{array}{r} 113 \\ 113 \\ \hline 12769 \end{array}$$

$113 + 3 = 116$

$116 * 11 = 1276$

$$\begin{array}{r} 123 \\ 123 \\ \hline 15129 \end{array}$$

$123 + 3 = 126$

$126 * 12 = 1512$