



Finding the Squares of Numbers Ending in 5

When finding the squares of numbers ending in 5, do the following. Separate the 5 and write it down. Then add 1 to the tens and multiply the two.

Examples:

What is the value of (a) 25^2 (b) 35^2 ?

Solutions:

(a)

$$\begin{array}{ccc}
 2 & 5^2 & \\
 \swarrow & \searrow & \\
 2 \times (2+1) & & 5 \times 5 \\
 = & 2 \times 3 & 25 \\
 & 625 \text{ ans} &
 \end{array}$$

(b)

$$\begin{array}{ccc}
 3 & 5^2 & \\
 \swarrow & \searrow & \\
 3 \times (3+1) & & 5 \times 5 \\
 = & 3 \times 4 & 25 \\
 & 1225 \text{ ans} &
 \end{array}$$



EXERCISE 18.4

1. Following the examples above, attempt these squares.

(a) $15^2 =$

(d) $65^2 =$

(g) $95^2 =$

(b) $45^2 =$

(e) $75^2 =$

(h) $105^2 =$

(c) $55^2 =$

(f) $85^2 =$

(i) $115^2 =$
