

Finding the Squares of Numbers Ending in 5

When finding the squares of numbers ending in 5, do the following. Square 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) 25^2

$2 \times (2 + 1) = 2 \times 3 = 6$

$5 \times 5 = 25$

625 ans

(b) 35^2

$3 \times (3 + 1) = 3 \times 4 = 12$

$5 \times 5 = 25$

1 225 ans



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) $115^2 =$
