

## 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)  $115^2 =$

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_