


## Area: areas of squares


To find the area of a square, multiply the length of a side by itself.

Note: when multiplying the lengths together, the units multiply as well to create square units.

Ex.

3in.   $A = (3\text{in})(3\text{in}) = 9\text{in}^2$

Ex.

5ft   $A = (5\text{ft})(5\text{ft}) = 25\text{ft}^2$   
5ft.

**Exercises:** Calculate the following areas for the square <sup>s</sup> s

- 1.)  $s = 5\text{ft}$ ,  $A = ?$
- 2.)  $s = 15\text{in}$ ,  $A = ?$
- 3.)  $s = 8\text{yd}$ ,  $A = ?$
- 4.)  $s = 12\text{miles}$ ,  $A = ?$
- 5.)  $s = 7\text{cm}$ ,  $A = ?$
- 6.)  $s = 13\text{km}$ ,  $A = ?$
- 7.)  $s = 9\text{mm}$ ,  $A = ?$
- 8.)  $s = 3\mu\text{m}$ ,  $A = ?$
- 9.)  $s = ?$ ,  $A = 64\text{ft}^2$
- 10.)  $s = ?$ ,  $A = 121\text{cm}^2$