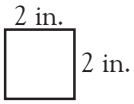
Squares of numbers

Find the square of 2.

$2 \times 2 = 4$

What is the area of this square?



$2 \times 2 = 4$

Area = 4 in.^{2}

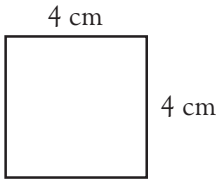
Find the square of these numbers.

3		1		6	
7		8		5	
9		4		10	

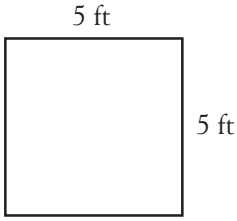
Now try these.

13		20		40	
11		12		30	

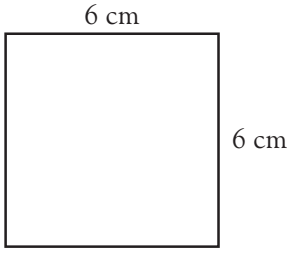
What are the areas of these squares?



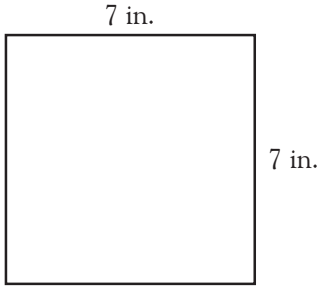
cm^2



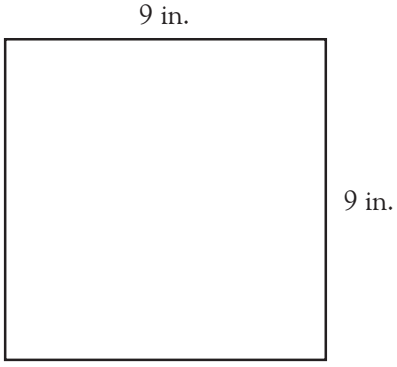
ft^2



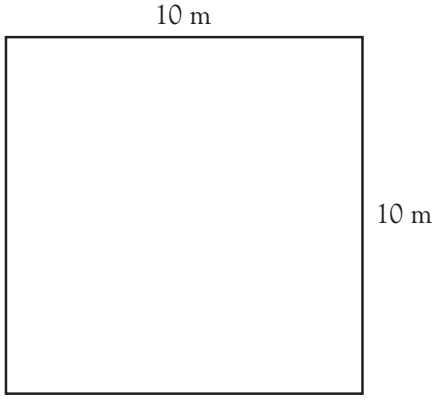
cm^2



in.^{2}



in.^{2}



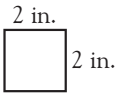
m^2

Squares of numbers

Find the square of 2.

2 x 2 = 4

What is the area of this square?



2 x 2 = 4

Area = 4 in.^{2}

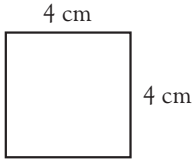
Find the square of these numbers.

3	3 x 3 = 9	1	1 x 1 = 1	6	6 x 6 = 36
7	7 x 7 = 49	8	8 x 8 = 64	5	5 x 5 = 25
9	9 x 9 = 81	4	4 x 4 = 16	10	10 x 10 = 100

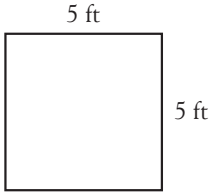
Now try these.

13	13 x 13 = 169	20	20 x 20 = 400	40	40 x 40 = 1600
11	11 x 11 = 121	12	12 x 12 = 144	30	30 x 30 = 900

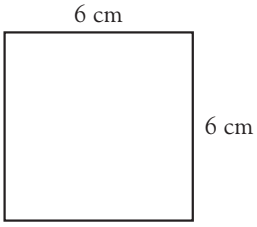
What are the areas of these squares?



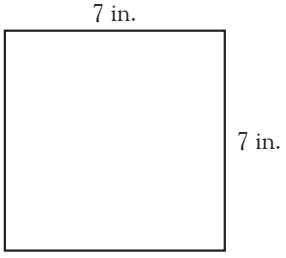
16 cm^2



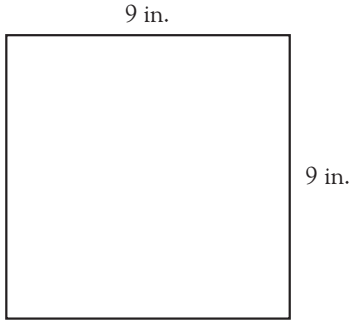
25 ft^2



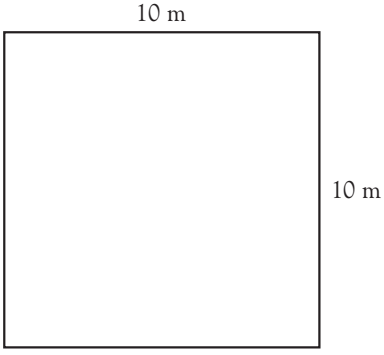
36 cm^2



49 in.^{2}



81 in.^{2}



100 m^2

Make sure that children understand that area is given in square units. You may want to add lines to divide the square in the example into quarters, to show 4 square inches. Check that they are in fact squaring the numbers, and not multiplying by two.