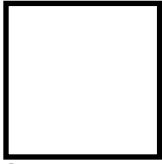


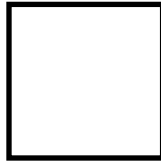
U1-1 Perfect Squares & Square Roots

Perfect Square: _____

We can make squares with 4, 9 and 16 square tiles.



make a _____ square



make a _____ square



make a _____ square

4, 9 and 16 are known as _____.

Another way to write $4 =$ _____ . \rightarrow We say 2^2 as _____
 $9 =$ _____ . $\rightarrow 3^2$ is _____
 $16 =$ _____ . $\rightarrow 4^2$ is _____

Number	Factors (Find 2 factors that are the same)	Perfect Square? Yes/No
25		
10		
30		
49		
?		
?		

List of perfect squares:

$1^2 = \underline{\quad} = \underline{\quad}$

$9^2 = \underline{\quad} = \underline{\quad}$

$2^2 = \underline{\quad} = \underline{\quad}$

$10^2 = \underline{\quad} = \underline{\quad}$

$3^2 = \underline{\quad} = \underline{\quad}$

$11^2 = \underline{\quad} = \underline{\quad}$

$4^2 = \underline{\quad} = \underline{\quad}$

$12^2 = \underline{\quad} = \underline{\quad}$

$5^2 = \underline{\quad} = \underline{\quad}$

$13^2 = \underline{\quad} = \underline{\quad}$

$6^2 = \underline{\quad} = \underline{\quad}$

$14^2 = \underline{\quad} = \underline{\quad}$

$7^2 = \underline{\quad} = \underline{\quad}$

$15^2 = \underline{\quad} = \underline{\quad}$

$8^2 = \underline{\quad} = \underline{\quad}$

25 is a _____ because $25 = 5 \cdot 5 = 5^2$ & $25 = -5 \cdot -5 = (-5)^2$

Square Root - _____

$\sqrt{25} = 5$ and (-5) because _____

Principal square root - _____

Ex: $\sqrt{36} = 6$

Try These: Perfect square or not? How can you tell?

1) 49

2) 56

3) 361

4) 110