


Unit 1-1




Square Roots


Today's Learning Targets:

1.1 I can evaluate the square root of a perfect square.

Can you arrange 12 small squares to make a larger square?



What about 16 small squares? 25?



PERFECT SQUARES

X	0	1	2	3	4	5	6	7	8	9	10	11	12
0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10	11	12
2	0	2	4	6	8	10	12	14	16	18	20	22	24
3	0	3	6	9	12	15	18	21	24	27	30	33	36
4	0	4	8	12	16	20	24	28	32	36	40	44	48
5	0	5	10	15	20	25	30	35	40	45	50	55	60
6	0	6	12	18	24	30	36	42	48	54	60	66	72
7	0	7	14	21	28	35	42	49	56	63	70	77	84
8	0	8	16	24	32	40	48	56	64	72	80	88	96
9	0	9	18	27	36	45	54	63	72	81	90	99	108
10	0	10	20	30	40	50	60	70	80	90	100	110	120
11	0	11	22	33	44	55	66	77	88	99	110	121	132
12	0	12	24	36	48	60	72	84	96	108	120	132	144

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Try and solve these mentally first!

$\sqrt{64} =$ $\sqrt{144} =$

$\sqrt{16} =$ $\sqrt{196} =$

$\sqrt{9} =$ $\sqrt{225} =$

$\sqrt{49} =$ $\sqrt{36} =$

$\sqrt{169} =$ $\sqrt{1} =$

$\sqrt{81} =$ $\sqrt{25} =$

$\sqrt{4} =$ $\sqrt{100} =$

$\sqrt{121} =$

I can evaluate the square root of a perfect square.

*be careful!!

