Square Roots (Addition & Subtraction)

What is a square root?

The **opposite** of squaring a number is square rooting a number.

EXAMPLE:

Square the number 5 to get 25 $5^2 = 25$
Square root the number 25 to get 5 $\sqrt{25} = 5$

To find the square root to a number, just ask yourself:
What number do I need to square to get this number?

Instructions: Find the square roots for the numbers below.

1	$\sqrt{9} + \sqrt{4}$	
2	$\sqrt{25} + \sqrt{16}$	
3	$2\sqrt{49} - \sqrt{9}$	
4	$\sqrt{36} - 3\sqrt{16}$	
5	$\sqrt{49} + 3\sqrt{64}$	
6	$\sqrt{64} - 4\sqrt{36}$	
7	$3\sqrt{49} + 2\sqrt{81}$	
8	$5\sqrt{100} - \sqrt{81}$	
9	$7\sqrt{121} + 2\sqrt{144}$	

10	$4\sqrt{25} + 3\sqrt{49} + \sqrt{169}$	
11	$3\sqrt{100} - \sqrt{9} + 4\sqrt{16}$	
12	$\sqrt{121} - 2\sqrt{81} - \sqrt{4}$	
13	$\sqrt{81} + 7\sqrt{64} - 3\sqrt{9}$	
14	$8\sqrt{4} + 2\sqrt{16} + \sqrt{25}$	
15	$\sqrt{144} - 5\sqrt{81} - 5\sqrt{64}$	
16	$10\sqrt{121} - 3\sqrt{64} + \sqrt{25}$	
17	$2\sqrt{169} - \sqrt{36} + 5\sqrt{4}$	
18	$7\sqrt{16} + 7\sqrt{9} - \sqrt{81}$	
19	$8\sqrt{144} + 2\sqrt{169} + \sqrt{9}$	
20	$13\sqrt{4} - 6\sqrt{9} - 3\sqrt{81}$	
21	$11\sqrt{25} - 9\sqrt{49} + 2\sqrt{16}$	
22	$12\sqrt{144} + 6\sqrt{9} - 8\sqrt{36}$	
23	$9\sqrt{64} - 7\sqrt{121} - 12\sqrt{25}$	
24	$12\sqrt{16} - 12\sqrt{4} + 4\sqrt{144}$	
25	$3\sqrt{169} + 4\sqrt{81} - 9\sqrt{121}$	

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Square root the number 25 to get 5 $\sqrt{25} = 5$

To find the square root to a number, just ask yourself:
What number do I need to square to get this number?

Instructions: Find the square roots for the numbers below.

1	$\sqrt{36} + \sqrt{16}$	
2	$\sqrt{9} - \sqrt{49}$	
3	$6\sqrt{100} + 3\sqrt{36}$	
4	$9\sqrt{49} - 2\sqrt{144}$	
5	$6\sqrt{64} - 3\sqrt{4}$	
6	$2\sqrt{169} - 9\sqrt{9}$	
7	$5\sqrt{81} - 2\sqrt{36}$	
8	$\sqrt{169} - 11\sqrt{144}$	
9	$5\sqrt{121} + 7\sqrt{25}$	

10	$11\sqrt{81} - 3\sqrt{64} + \sqrt{25}$	
11	$2\sqrt{100} - 9\sqrt{64} + \sqrt{9}$	
12	$7\sqrt{81} + 3\sqrt{49} + \sqrt{36}$	
13	$6\sqrt{25} - 11\sqrt{144} + 3\sqrt{16}$	
14	$9\sqrt{64} + \sqrt{25} - 12\sqrt{121}$	
15	$4\sqrt{121} + 12\sqrt{16} + \sqrt{169}$	
16	$12\sqrt{9} - 5\sqrt{49} - 8\sqrt{36}$	
17	$10\sqrt{81} - 5\sqrt{144} - 3\sqrt{64}$	
18	$7\sqrt{49} + 10\sqrt{81} + 7\sqrt{100}$	
19	$12\sqrt{64} + \sqrt{81} - 9\sqrt{16}$	
20	$12\sqrt{36} - 7\sqrt{121} - 6\sqrt{81}$	
21	$9\sqrt{25} - 8\sqrt{36} + 12\sqrt{81}$	
22	$12\sqrt{121} - 12\sqrt{144} + \sqrt{4}$	
23	$11\sqrt{64} + 7\sqrt{36} - 12\sqrt{49}$	
24	$3\sqrt{169} + 4\sqrt{16} - 7\sqrt{49}$	
25	$12\sqrt{81} - 12\sqrt{121} + \sqrt{36}$	