

Square Roots (Multiplication/Division)

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



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



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EXAMPLE:

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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	$\sqrt{25} \times \sqrt{100}$	
2	$\sqrt{49} \times \sqrt{16}$	
3	$3\sqrt{64} \times \sqrt{9}$	
4	$2\sqrt{36} \times \sqrt{144}$	
5	$5\sqrt{81} \div \sqrt{25}$	
6	$4\sqrt{144} \div 2\sqrt{36}$	
7	$7\sqrt{64} \div \sqrt{4}$	
8	$10\sqrt{121} \div \sqrt{25}$	
9	$6\sqrt{64} \div \sqrt{144}$	



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