

Knowing the square numbers can help you estimate square roots.

1. Complete the table of squares.

1 ²	2 ²	3 ²	4 ²	5 ²	6 ²	7 ²	8 ²	9 ²	10 ²
1									

11 ²	12 ²	13 ²	14 ²	15 ²	16 ²	17 ²	18 ²	19 ²	20 ²
121									

Use the table of squares above to help you estimate each square root to the nearest tenth. Use a calculator to check your estimates. Round to two decimal places.

	Square Root	Estimate	Calculator
2.	$\sqrt{10}$		
3.	$\sqrt{20}$		
4.	$\sqrt{200}$		
5 .	$\sqrt{300}$		
6.	$\sqrt{57}$		
7.	$\sqrt{130}$		

Think and Discuss_

8. Discuss your strategy for estimating square roots.