# 3.3 Estimating Square Roots

April 20, 2016 8:48 AM

To estimate the square root of a whole # that is not a perfect square

→ locate the perfect squares on either side of the #

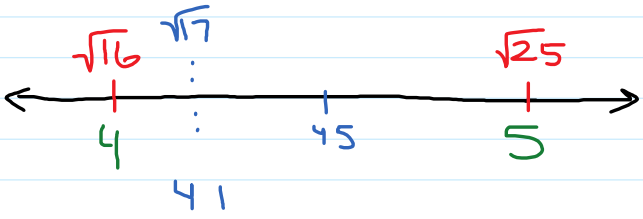
→ calculate the square roots

→ estimate based on the position between the 2 perfect squares

**Ex #1**

$\sqrt{17} = ?$

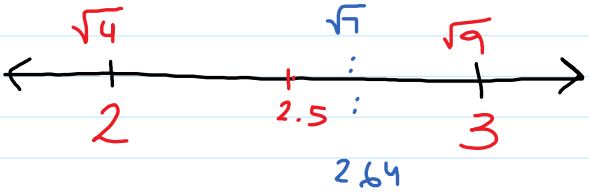
$\sqrt{16}$ $\sqrt{25}$




**Ex #2**

$\sqrt{7} = ?$

$\sqrt{4}$ $\sqrt{9}$




**Ex #3**

Order from least to greatest

$7, \sqrt{20}, \sqrt{36}, 52, \sqrt{18}$

$\sqrt{20} \rightarrow 4.47$ $\sqrt{36} \rightarrow 6$ $\sqrt{18} \rightarrow 4.24$

$\sqrt{18}, \sqrt{20}, 52, \sqrt{36}, 7$

pg 99 #4-21