

Name: _____



Estimating the Square Root of Non-Perfect Squares

Example

$\sqrt{7}$

$\sqrt{4} = 2$ $\sqrt{9} = 3$

The $\sqrt{7}$ is between 2 and 3.

Directions: Complete each of the following statements.

- 1.) The $\sqrt{5}$ is between _____ and _____.
- 2.) The $\sqrt{19}$ is between _____ and _____.
- 3.) The $\sqrt{10}$ is between _____ and _____.
- 4.) The $\sqrt{51}$ is between _____ and _____.
- 5.) The $\sqrt{29}$ is between _____ and _____.
- 6.) The $\sqrt{88}$ is between _____ and _____.
- 7.) The $\sqrt{63}$ is between _____ and _____.
- 8.) The $\sqrt{45}$ is between _____ and _____.

ANSWER KEY

- 1.) The $\sqrt{5}$ is between 1 and 2.
- 2.) The $\sqrt{19}$ is between 4 and 5.
- 3.) The $\sqrt{10}$ is between 3 and 4.
- 4.) The $\sqrt{51}$ is between 7 and 8.
- 5.) The $\sqrt{29}$ is between 5 and 6.
- 6.) The $\sqrt{88}$ is between 9 and 10.
- 7.) The $\sqrt{63}$ is between 7 and 8.
- 8.) The $\sqrt{45}$ is between 6 and 7.