

b. $\sqrt{\frac{3}{10}}$

c. $\sqrt{18.1}$

d. $\sqrt{0.68}$

The second strategy to find the square root of a non-perfect square decimal is to use your calculator, when allowed.

Examples: a. $\sqrt{0.43} =$

b. $\sqrt{\frac{3}{7}} =$

Estimating Square Root of a NON-Perfect Square Fraction.

Step A: Simplify the fraction, if necessary.

Step B: Re-write the fraction by replacing the numerator with its closest perfect square and the denominator with its closest perfect square.

Step C: Evaluate the new perfect square fraction.

Examples: a. $\sqrt{\frac{3}{10}}$

b. $\sqrt{\frac{23}{53}}$

c. $\sqrt{\frac{60}{140}}$

d. $\sqrt{\frac{150}{246}}$

Without using a calculator, find two decimals that have square roots between 6 and 7.