



### Example 2

Estimate  $\sqrt{15}$  and use your calculator to check.

### Example 3

Estimate using benchmarks and use your calculator to check.

a)  $\sqrt{7.5}$

b)  $\sqrt{1.30}$

### Example 4

Replace ? with a decimal or fraction to make the statement true.

$$2 < \sqrt{?} < 3$$

### Example 5

Determine a decimal or fraction that has a square root between...

a) 3 and 4

b) 6 and 7

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Estimating the square root of non-perfect square fractions.

### Example 6

Estimate without using a number line.

a)  $\sqrt{\frac{14}{22}}$

b)  $\sqrt{\frac{84}{15}}$

c)  $\sqrt{\frac{10}{50}}$

### Example 7

Estimate  $\sqrt{\frac{30}{10}}$  .

### Example 8

a) Use your calculator to determine each answer.

$$\sqrt{0.64} =$$

$$\sqrt{38.44} =$$

$$\sqrt{3.9} =$$

$$\sqrt{74.5} =$$

$$\sqrt{15.4} =$$

$$\sqrt{16.81} =$$

b) What do you notice?

#### Work Book Questions

p.18-20 #7ab, 8ab, 10cd,  
11bcdefh, 16ab, 17abcd, 19ab

#### Extra Practice Questions

p.18-20 #4ace, 7cdef, 9abcd, 10ab,  
11g, 12abcd, 19cd  
p.21 #1 - 8, 10, 11