Algebra I Lesson #2 Unit 13
Class Worksheet #2
For Worksheets #2 - #3

Square Root

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This lesson deals with the square root of fractions and decimals.

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$$\sqrt{\dfrac{9}{16}} =$$

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In each case, the radicand, although not a whole number, is a perfect square.

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Since $(2.5)^2 = 6.25$

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$$\sqrt{\frac{9}{16}} = \frac{3}{4}$$

$$\text{Since } \left(\frac{3}{4}\right)^2 = \frac{9}{16}$$

$$\sqrt{6.25} = 2.5$$

$$\text{Since } (2.5)^2 = 6.25$$

In each case, the radicand, although not a whole number, is a perfect square.

It may be easier to evaluate the square root of decimals by first writing the decimal as a fraction in lowest terms.

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Since $(2.5)^2 = 6.25$

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$$6.25 = \frac{25}{4}$$

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Since $\left(\frac{3}{4}\right)^2 = \frac{9}{16}$

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In each case, the radicand, although not a whole number, is a perfect square.

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$$6.25 = \frac{25}{4} \quad \longrightarrow \quad \sqrt{6.25} =$$

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$$\sqrt{\frac{9}{16}} = \frac{3}{4}$$

Since $\left(\dfrac{3}{4}\right)^2 = \dfrac{9}{16}$

$$\sqrt{6.25} = 2.5$$

Since $(2.5)^2 = 6.25$

In each case, the radicand, although not a whole number, is a perfect square.

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$$6.25 = \frac{25}{4} \quad \longrightarrow \quad \sqrt{6.25} = \sqrt{\frac{25}{4}} =$$

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$$\sqrt{\frac{9}{16}} = \frac{3}{4}$$

Since $\left(\dfrac{3}{4}\right)^2 = \dfrac{9}{16}$

$$\sqrt{6.25} = 2.5$$

Since $(2.5)^2 = 6.25$

In each case, the radicand, although not a whole number, is a perfect square.

It may be easier to evaluate the square root of decimals by first writing the decimal as a fraction in lowest terms.

$$6.25 = \frac{25}{4} \quad \longrightarrow \quad \sqrt{6.25} = \sqrt{\frac{25}{4}} = \frac{\sqrt{25}}{\quad}$$

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This lesson deals with the square root of fractions and decimals.

$$\sqrt{\frac{9}{16}} = \frac{3}{4}$$

$$\text{Since } \left(\frac{3}{4}\right)^2 = \frac{9}{16}$$

$$\sqrt{6.25} = 2.5$$

$$\text{Since } (2.5)^2 = 6.25$$

In each case, the radicand, although not a whole number, is a perfect square.

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$$6.25 = \frac{25}{4} \quad \longrightarrow \quad \sqrt{6.25} = \sqrt{\frac{25}{4}} = \frac{\sqrt{25}}{\sqrt{4}} =$$

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$$\sqrt{\frac{9}{16}} = \frac{3}{4}$$

$$\sqrt{6.25} = 2.5$$

Since $\left(\frac{3}{4}\right)^2 = \frac{9}{16}$

Since $(2.5)^2 = 6.25$

In each case, the radicand, although not a whole number, is a perfect square.

It may be easier to evaluate the square root of decimals by first writing the decimal as a fraction in lowest terms.

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$$\sqrt{\frac{9}{16}} = \frac{3}{4}$$

$$\text{Since } \left(\frac{3}{4}\right)^2 = \frac{9}{16}$$

$$\sqrt{6.25} = 2.5$$

$$\text{Since } (2.5)^2 = 6.25$$

In each case, the radicand, although not a whole number, is a perfect square.

It may be easier to evaluate the square root of decimals by first writing the decimal as a fraction in lowest terms.

$$6.25 = \frac{25}{4} \quad \longrightarrow \quad \sqrt{6.25} = \sqrt{\frac{25}{4}} = \frac{\sqrt{25}}{\sqrt{4}} = \frac{5}{2} =$$

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$$\sqrt{\frac{9}{16}} = \frac{3}{4}$$

Since $\left(\frac{3}{4}\right)^2 = \frac{9}{16}$

$$\sqrt{6.25} = 2.5$$

Since $(2.5)^2 = 6.25$

In each case, the radicand, although not a whole number, is a perfect square.

It may be easier to evaluate the square root of decimals by first writing the decimal as a fraction in lowest terms.

$$6.25 = \frac{25}{4} \quad \longrightarrow \quad \sqrt{6.25} = \sqrt{\frac{25}{4}} = \frac{\sqrt{25}}{\sqrt{4}} = \frac{5}{2} = 2.5$$

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$$\sqrt{\frac{9}{16}} = \frac{3}{4}$$

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Algebra I   Class Worksheet   #2   Unit 13

Evaluate each of the following square roots.

1. $\sqrt{\dfrac{4}{9}}$ =

2. $\sqrt{\dfrac{25}{64}}$ =

Algebra I Class Worksheet #2 Unit 13

Evaluate each of the following square roots.

1. $\sqrt{\dfrac{4}{9}} =$

2. $\sqrt{\dfrac{25}{64}} =$

$$\sqrt{\dfrac{a}{b}} = \dfrac{\sqrt{a}}{\sqrt{b}}$$

The division property of square roots.

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Evaluate each of the following square roots.

1. $\sqrt{\dfrac{4}{9}} =$

2. $\sqrt{\dfrac{25}{64}} =$

$$\sqrt{\dfrac{a}{b}} = \dfrac{\sqrt{a}}{\sqrt{b}}$$

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Evaluate each of the following square roots.

1. $\sqrt{\dfrac{4}{9}} = $

$\sqrt{4}$

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$$\sqrt{\dfrac{a}{b}} = \dfrac{\sqrt{a}}{\sqrt{b}}$$

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Evaluate each of the following square roots.

1. $\sqrt{\dfrac{4}{9}} =$

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

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$$\sqrt{\dfrac{a}{b}} = \dfrac{\sqrt{a}}{\sqrt{b}}$$

The division property of square roots.

Algebra I Class Worksheet #2 Unit 13

Evaluate each of the following square roots.

1. $\sqrt{\dfrac{4}{9}} = \dfrac{2}{3}$

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

2. $\sqrt{\dfrac{25}{64}} =$

$\sqrt{\dfrac{a}{b}} = \dfrac{\sqrt{a}}{\sqrt{b}}$

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$$\dfrac{\sqrt{25}}{}$$

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$$\sqrt{\dfrac{a}{b}} = \dfrac{\sqrt{a}}{\sqrt{b}}$$

The division property of square roots.

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Evaluate each of the following square roots.

1. $\sqrt{\dfrac{4}{9}} = \dfrac{2}{3}$

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

2. $\sqrt{\dfrac{25}{64}} = \dfrac{5}{8}$

$\dfrac{\sqrt{25}}{\sqrt{64}}$

$$\sqrt{\dfrac{a}{b}} = \dfrac{\sqrt{a}}{\sqrt{b}}$$

The division property of square roots.

Algebra I   Class Worksheet   #2   Unit 13

Evaluate each of the following square roots.

1. $\sqrt{\dfrac{4}{9}} = \dfrac{2}{3}$

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

2. $\sqrt{\dfrac{25}{64}} = \dfrac{5}{8}$

    $\dfrac{\sqrt{25}}{\sqrt{64}}$

$$\sqrt{\dfrac{a}{b}} = \dfrac{\sqrt{a}}{\sqrt{b}}$$

The division property of square roots.

Algebra I   Class Worksheet   #2   Unit 13

Evaluate each of the following square roots.

3. $\sqrt{0.04}$ =

4. $\sqrt{0.25}$ =

5. $\sqrt{1.21}$ =

6. $\sqrt{0.0144}$ =

Algebra I   Class Worksheet   #2   Unit 13

Evaluate each of the following square roots.

3. $\sqrt{0.04} =$

4. $\sqrt{0.25} =$

5. $\sqrt{1.21} =$

6. $\sqrt{0.0144} =$

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Evaluate each of the following square roots.

3. $\sqrt{0.04} = 0.2$

4. $\sqrt{0.25} =$

5. $\sqrt{1.21} =$

6. $\sqrt{0.0144} =$

Algebra I   Class Worksheet   #2   Unit 13

Evaluate each of the following square roots.

3. $\sqrt{0.04} = 0.2$

Since $(0.2)^2 = 0.04$

4. $\sqrt{0.25} =$

5. $\sqrt{1.21} =$

6. $\sqrt{0.0144} =$

Algebra I Class Worksheet #2 Unit 13

Evaluate each of the following square roots.

3. $\sqrt{0.04} = 0.2$

Since $(0.2)^2 = 0.04$

4. $\sqrt{0.25} =$

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Evaluate each of the following square roots.

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Since $(0.2)^2 = 0.04$

4. $\sqrt{0.25} = 0.5$

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Evaluate each of the following square roots.

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Since $(0.2)^2 = 0.04$

4. $\sqrt{0.25} = 0.5$

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5. $\sqrt{1.21} =$

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Since $(0.2)^2 = 0.04$

4. $\sqrt{0.25} = 0.5$

Since $(0.5)^2 = 0.25$

5. $\sqrt{1.21} =$

6. $\sqrt{0.0144} =$

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3. $\sqrt{0.04} = 0.2$

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4. $\sqrt{0.25} = 0.5$

    Since $(0.5)^2 = 0.25$

5. $\sqrt{1.21} =$

6. $\sqrt{0.0144} =$

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Evaluate each of the following square roots.

3. $\sqrt{0.04} = 0.2$

Since $(0.2)^2 = 0.04$

4. $\sqrt{0.25} = 0.5$

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5. $\sqrt{1.21} = 1.1$

6. $\sqrt{0.0144} =$

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3. $\sqrt{0.04} = 0.2$

Since $(0.2)^2 = 0.04$

4. $\sqrt{0.25} = 0.5$

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5. $\sqrt{1.21} = 1.1$

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Since $(0.2)^2 = 0.04$

4. $\sqrt{0.25} = 0.5$

Since $(0.5)^2 = 0.25$

5. $\sqrt{1.21} = 1.1$

Since $(1.1)^2 = 1.21$

6. $\sqrt{0.0144} = 0.12$

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Since $(0.2)^2 = 0.04$

4. $\sqrt{0.25} = 0.5$

Since $(0.5)^2 = 0.25$

5. $\sqrt{1.21} = 1.1$

Since $(1.1)^2 = 1.21$

6. $\sqrt{0.0144} = 0.12$

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Since $(0.2)^2 = 0.04$

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Since $(0.12)^2 = 0.0144$

Next, consider the square root of a fraction which is <u>not</u> a perfect square.

Next, consider the square root of a fraction which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{\dfrac{2}{3}}$$

Next, consider the square root of a fraction which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{\dfrac{2}{3}} =$$

Step 1: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Next, consider the square root of a fraction which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{\frac{2}{3}} = \sqrt{\frac{6}{9}} =$$

Step 1: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Next, consider the square root of a fraction which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{\frac{2}{3}} = \sqrt{\frac{6}{9}} =$$

Step 1: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Step 2: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Next, consider the square root of a fraction which is **not** a perfect square. Consider this example.

$$\sqrt{\frac{2}{3}} = \sqrt{\frac{6}{9}} =$$

Step 1: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Step 2: Apply the **division property of square roots** to express the problem as a quotient of square roots.

$$\sqrt{\frac{a}{b}} = \frac{\sqrt{a}}{\sqrt{b}}$$

The division property of square roots.

Next, consider the square root of a fraction which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{\frac{2}{3}} = \sqrt{\frac{6}{9}} = \frac{\sqrt{6}}{}$$

Step 1: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Step 2: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

$$\sqrt{\frac{a}{b}} = \frac{\sqrt{a}}{\sqrt{b}}$$

The division property of square roots.

Next, consider the square root of a fraction which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{\frac{2}{3}} = \sqrt{\frac{6}{9}} = \frac{\sqrt{6}}{\sqrt{9}}$$

Step 1: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Step 2: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

$$\sqrt{\frac{a}{b}} = \frac{\sqrt{a}}{\sqrt{b}}$$

The division property of square roots.

Next, consider the square root of a fraction which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{\frac{2}{3}} = \sqrt{\frac{6}{9}} = \frac{\sqrt{6}}{\sqrt{9}} =$$

Step 1: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Step 2: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

$$\sqrt{\frac{a}{b}} = \frac{\sqrt{a}}{\sqrt{b}}$$

The division property of square roots.

Next, consider the square root of a fraction which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{\frac{2}{3}} = \sqrt{\frac{6}{9}} = \frac{\sqrt{6}}{\sqrt{9}} =$$

Step 1: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Step 2: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Step 3: Evaluate the square root of the denominator.

$$\sqrt{\frac{a}{b}} = \frac{\sqrt{a}}{\sqrt{b}}$$

The division property of square roots.

Next, consider the square root of a fraction which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{\dfrac{2}{3}} = \sqrt{\dfrac{6}{9}} = \dfrac{\sqrt{6}}{\sqrt{9}} = \dfrac{\sqrt{6}}{}$$

Step 1: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Step 2: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Step 3: Evaluate the square root of the denominator.

$$\sqrt{\dfrac{a}{b}} = \dfrac{\sqrt{a}}{\sqrt{b}}$$

The division property of square roots.

Next, consider the square root of a fraction which is __not__ a perfect square. Consider this example.

$$\sqrt{\frac{2}{3}} = \sqrt{\frac{6}{9}} = \frac{\sqrt{6}}{\sqrt{9}} = \frac{\sqrt{6}}{3}$$

Step 1: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Step 2: Apply the __division property of square roots__ to express the problem as a quotient of square roots.

Step 3: Evaluate the square root of the denominator.

$$\sqrt{\frac{a}{b}} = \frac{\sqrt{a}}{\sqrt{b}}$$

The division property of square roots.

Next, consider the square root of a fraction which is **not** a perfect square. Consider this example.

$$\sqrt{\frac{2}{3}} = \sqrt{\frac{6}{9}} = \frac{\sqrt{6}}{\sqrt{9}} = \frac{\sqrt{6}}{3}$$

Step 1: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Step 2: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Step 3: Evaluate the square root of the denominator.

Step 4: Express the numerator in <u>standard radical form</u>.

$$\sqrt{\frac{a}{b}} = \frac{\sqrt{a}}{\sqrt{b}}$$

The division property of square roots.

Next, consider the square root of a fraction which is _not_ a perfect square. Consider this example.

$$\sqrt{\frac{2}{3}} = \sqrt{\frac{6}{9}} = \frac{\sqrt{6}}{\sqrt{9}} = \frac{\sqrt{6}}{3}$$

Step 1: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Step 2: Apply the _division property of square roots_ to express the problem as a quotient of square roots.

Step 3: Evaluate the square root of the denominator.

Step 4: Express the numerator in _standard radical form_.

Next, consider the square root of a fraction which is **not** a perfect square. Consider this example.

$$\sqrt{\frac{2}{3}} = \sqrt{\frac{6}{9}} = \frac{\sqrt{6}}{\sqrt{9}} = \frac{\sqrt{6}}{3}$$

Step 1: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Step 2: Apply the division property of square roots to express the problem as a quotient of square roots.

Step 3: Evaluate the square root of the denominator.

Step 4: Express the numerator in standard radical form.

The numerator is already in standard radical form.

Next, consider the square root of a fraction which is **not** a perfect square. Consider this example.

$$\sqrt{\frac{2}{3}} = \sqrt{\frac{6}{9}} = \frac{\sqrt{6}}{\sqrt{9}} = \frac{\sqrt{6}}{3}$$

Step 1: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Step 2: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Step 3: Evaluate the square root of the denominator.

Step 4: Express the numerator in <u>standard radical form</u>.

The numerator is already in <u>standard radical form</u>. Note that the radicand,

Next, consider the square root of a fraction which is **not** a perfect square. Consider this example.

$$\sqrt{\frac{2}{3}} = \sqrt{\frac{6}{9}} = \frac{\sqrt{6}}{\sqrt{9}} = \frac{\sqrt{6}}{3}$$

Step 1: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Step 2: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Step 3: Evaluate the square root of the denominator.

Step 4: Express the numerator in <u>standard radical form</u>.

The numerator is already in <u>standard radical form</u>. Note that the radicand, 6,

Next, consider the square root of a fraction which is __not__ a perfect square. Consider this example.

$$\sqrt{\dfrac{2}{3}} = \sqrt{\dfrac{6}{9}} = \dfrac{\sqrt{6}}{\sqrt{9}} = \dfrac{\sqrt{6}}{3}$$

Step 1: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Step 2: Apply the __division property of square roots__ to express the problem as a quotient of square roots.

Step 3: Evaluate the square root of the denominator.

Step 4: Express the numerator in __standard radical form__.

The numerator is already in __standard radical form__. Note that the radicand, 6, is a whole number

Next, consider the square root of a fraction which is __not__ a perfect square. Consider this example.

$$\sqrt{\frac{2}{3}} = \sqrt{\frac{6}{9}} = \frac{\sqrt{6}}{\sqrt{9}} = \frac{\sqrt{6}}{3}$$

Step 1: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Step 2: Apply the __division property of square roots__ to express the problem as a quotient of square roots.

Step 3: Evaluate the square root of the denominator.

Step 4: Express the numerator in __standard radical form__.

The numerator is already in __standard radical form__. Note that the radicand, 6, is a whole number which does __not__ have any perfect square factors greater than 1.

Next, consider the square root of a fraction which is **not** a perfect square. Consider this example.

$$\sqrt{\frac{2}{3}} = \sqrt{\frac{6}{9}} = \frac{\sqrt{6}}{\sqrt{9}} = \frac{\sqrt{6}}{3}$$

Step 1: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Step 2: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Step 3: Evaluate the square root of the denominator.

Step 4: Express the numerator in <u>standard radical form</u>.

Next, consider the square root of a fraction which is **not** a perfect square. Consider this example.

$$\sqrt{\frac{2}{3}} = \sqrt{\frac{6}{9}} = \frac{\sqrt{6}}{\sqrt{9}} = \frac{\sqrt{6}}{3}$$

Step 1: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Step 2: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Step 3: Evaluate the square root of the denominator.

Step 4: Express the numerator in <u>standard radical form</u>.

The correct answer can also be expressed in this form.

Next, consider the square root of a fraction which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{\frac{2}{3}} = \sqrt{\frac{6}{9}} = \frac{\sqrt{6}}{\sqrt{9}} = \frac{\sqrt{6}}{3} = \frac{1}{3}\sqrt{6}$$

Step 1: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Step 2: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Step 3: Evaluate the square root of the denominator.

Step 4: Express the numerator in <u>standard radical form</u>.

The correct answer can also be expressed in this form.

Next, consider the square root of a fraction which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{\frac{2}{3}} = \sqrt{\frac{6}{9}} = \frac{\sqrt{6}}{\sqrt{9}} = \frac{\sqrt{6}}{3} = \frac{1}{3}\sqrt{6}$$

Step 1: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Step 2: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Step 3: Evaluate the square root of the denominator.

Step 4: Express the numerator in <u>standard radical form</u>.

The correct answer can also be expressed in this form. Both answers are considered to be in <u>standard radical form</u>.

Express each of the following square roots using standard radical form.

7. $\sqrt{\dfrac{1}{2}} = \boxed{}$

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

7. $\sqrt{\dfrac{1}{2}}$ = $\boxed{}$

Step 1: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Express each of the following square roots using standard radical form.

7. $\sqrt{\dfrac{1}{2}}$ = $\boxed{}$

= $\sqrt{}$

Step 1: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

$$7. \quad \sqrt{\frac{1}{2}} \ = \ \boxed{}$$

$$= \ \sqrt{\frac{2}{4}}$$

Step 1: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

7. $\quad \sqrt{\dfrac{1}{2}} \;=\; \boxed{}$

$\qquad = \sqrt{\dfrac{2}{4}}$

Express each of the following square roots using standard radical form.

7. $\sqrt{\dfrac{1}{2}} = \boxed{}$

$= \sqrt{\dfrac{2}{4}}$

Step 2: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Express each of the following square roots using standard radical form.

$$7. \quad \sqrt{\dfrac{1}{2}} \;=\; \boxed{}$$

$$= \sqrt{\dfrac{2}{4}} \;=$$

Step 2: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Express each of the following square roots using standard radical form.

7. $\quad \sqrt{\dfrac{1}{2}} \;=\; \boxed{}$

$= \sqrt{\dfrac{2}{4}} \;=\; \dfrac{\sqrt{2}}{}$

Step 2: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

7. $\sqrt{\dfrac{1}{2}} = \boxed{}$

$$= \sqrt{\dfrac{2}{4}} = \dfrac{\sqrt{2}}{\sqrt{4}}$$

Step 2: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

7. $\sqrt{\dfrac{1}{2}}$ $=$ $\boxed{}$

$= \sqrt{\dfrac{2}{4}} = \dfrac{\sqrt{2}}{\sqrt{4}}$

Express each of the following square roots using standard radical form.

7. $\sqrt{\dfrac{1}{2}} = \boxed{}$

$= \sqrt{\dfrac{2}{4}} = \dfrac{\sqrt{2}}{\sqrt{4}}$

Step 3: Evaluate the square root of the denominator.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

7. $\quad \sqrt{\dfrac{1}{2}} = \boxed{}$

$$= \sqrt{\dfrac{2}{4}} = \dfrac{\sqrt{2}}{\sqrt{4}} =$$

Step 3: Evaluate the square root of the denominator.

Express each of the following square roots using standard radical form.

7. $\sqrt{\dfrac{1}{2}}$ = $\boxed{}$

$= \sqrt{\dfrac{2}{4}} = \dfrac{\sqrt{2}}{\sqrt{4}} = \dfrac{\sqrt{2}}{}$

Step 3: Evaluate the square root of the denominator.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

7. $\quad \sqrt{\dfrac{1}{2}} \quad = \quad \boxed{}$

$$= \sqrt{\dfrac{2}{4}} = \dfrac{\sqrt{2}}{\sqrt{4}} = \dfrac{\sqrt{2}}{2}$$

Step 3: Evaluate the square root of the denominator.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

7. $\quad \sqrt{\dfrac{1}{2}} \;=\; \boxed{}$

$$= \sqrt{\dfrac{2}{4}} \;=\; \dfrac{\sqrt{2}}{\sqrt{4}} \;=\; \dfrac{\sqrt{2}}{2}$$

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

7. $\sqrt{\dfrac{1}{2}} = \boxed{}$

$$= \sqrt{\dfrac{2}{4}} = \dfrac{\sqrt{2}}{\sqrt{4}} = \dfrac{\sqrt{2}}{2}$$

Step 4: Express the numerator in <u>standard radical form</u>.

Express each of the following square roots using standard radical form.

7. $\sqrt{\dfrac{1}{2}} = \boxed{}$

$$= \sqrt{\dfrac{2}{4}} = \dfrac{\sqrt{2}}{\sqrt{4}} = \dfrac{\sqrt{2}}{2}$$

The numerator is already in <u>standard radical form</u>.

Step 4: Express the numerator in <u>standard radical form</u>.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

7. $\sqrt{\dfrac{1}{2}} = \boxed{}$

$= \sqrt{\dfrac{2}{4}} = \dfrac{\sqrt{2}}{\sqrt{4}} = \dfrac{\sqrt{2}}{2}$

The numerator is already in **standard radical form**. The radicand,

Step 4: Express the numerator in standard radical form.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

7. $\sqrt{\dfrac{1}{2}} = \boxed{}$

$$= \sqrt{\dfrac{2}{4}} = \dfrac{\sqrt{2}}{\sqrt{4}} = \dfrac{\sqrt{2}}{2}$$

The numerator is already in <u>standard radical form</u>. The radicand, 2,

Step 4: Express the numerator in <u>standard radical form</u>.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

7. $\quad \sqrt{\dfrac{1}{2}} = \boxed{}$

$$= \sqrt{\dfrac{2}{4}} = \dfrac{\sqrt{2}}{\sqrt{4}} = \dfrac{\sqrt{2}}{2}$$

The numerator is already in <u>standard radical form</u>. The radicand, 2, is a whole number which does <u>not</u> have any perfect square factors greater than 1.

Step 4: Express the numerator in <u>standard radical form</u>.

Express each of the following square roots using standard radical form.

$$7. \quad \sqrt{\dfrac{1}{2}} \;=\; \boxed{\dfrac{\sqrt{2}}{2}}$$

$$= \sqrt{\dfrac{2}{4}} \;=\; \dfrac{\sqrt{2}}{\sqrt{4}} \;=\; \dfrac{\sqrt{2}}{2}$$

The numerator is already in <u>standard radical form</u>. The radicand, 2, is a whole number which does <u>not</u> have any perfect square factors greater than 1.

Step 4: Express the numerator in <u>standard radical form</u>.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

7. $\sqrt{\dfrac{1}{2}} = \dfrac{\sqrt{2}}{2}$

$= \sqrt{\dfrac{2}{4}} = \dfrac{\sqrt{2}}{\sqrt{4}} = \dfrac{\sqrt{2}}{2}$

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

7. $\sqrt{\dfrac{1}{2}} = \boxed{\dfrac{\sqrt{2}}{2}}$

$= \sqrt{\dfrac{2}{4}} = \dfrac{\sqrt{2}}{\sqrt{4}} = \dfrac{\sqrt{2}}{2} = \dfrac{1}{2}\sqrt{2}$

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

7. $\sqrt{\dfrac{1}{2}} = \boxed{\dfrac{\sqrt{2}}{2}}$

$$= \sqrt{\dfrac{2}{4}} = \dfrac{\sqrt{2}}{\sqrt{4}} = \dfrac{\sqrt{2}}{2} = \dfrac{1}{2}\sqrt{2}$$

Either answer is correct.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

8. $\sqrt{\dfrac{3}{4}} = \boxed{}$

Express each of the following square roots using standard radical form.

8. $\sqrt{\dfrac{3}{4}}$ = $\boxed{}$

Step 1: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Express each of the following square roots using standard radical form.

8. $\sqrt{\dfrac{3}{4}}$ = $\boxed{}$

4 is a perfect square.

Step 1: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

8. $\sqrt{\dfrac{3}{4}}$ = $\boxed{}$

Express each of the following square roots using standard radical form.

8. $\sqrt{\dfrac{3}{4}} = \boxed{}$

Step 2: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

8. $\sqrt{\dfrac{3}{4}}\ =\ \boxed{}$

$=$

Algebra I Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

8. $\quad \sqrt{\dfrac{3}{4}} \;=\; \boxed{}$

$\quad\quad = \dfrac{\sqrt{3}}{\rule{2cm}{0.4pt}}$

Step 2: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

8. $\sqrt{\dfrac{3}{4}} = \boxed{}$

$$= \dfrac{\sqrt{3}}{\sqrt{4}}$$

Step 2: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

8. $\sqrt{\dfrac{3}{4}}$ = □

$$= \dfrac{\sqrt{3}}{\sqrt{4}}$$

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

8. $\sqrt{\dfrac{3}{4}} = \boxed{}$

$= \dfrac{\sqrt{3}}{\sqrt{4}}$

Step 3: Evaluate the square root of the denominator.

Algebra I Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

8. $\sqrt{\dfrac{3}{4}} = \boxed{}$

$= \dfrac{\sqrt{3}}{\sqrt{4}} =$

Step 3: Evaluate the square root of the denominator.

Express each of the following square roots using standard radical form.

8. $\sqrt{\dfrac{3}{4}} = \boxed{}$

$$= \frac{\sqrt{3}}{\sqrt{4}} = \frac{\sqrt{3}}{}$$

Step 3: Evaluate the square root of the denominator.

Express each of the following square roots using standard radical form.

8. $\quad \sqrt{\dfrac{3}{4}} = \boxed{}$

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

Step 3: Evaluate the square root of the denominator.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

8. $\quad \sqrt{\dfrac{3}{4}} \;=\; \boxed{}$

$\qquad = \dfrac{\sqrt{3}}{\sqrt{4}} = \dfrac{\sqrt{3}}{2}$

Express each of the following square roots using standard radical form.

8. $\sqrt{\dfrac{3}{4}} = \boxed{}$

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

Step 4: Express the numerator in <u>standard radical form</u>.

Express each of the following square roots using standard radical form.

8. $\sqrt{\dfrac{3}{4}} = \boxed{}$

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

The numerator is already in <u>standard radical form</u>.

Step 4: Express the numerator in <u>standard radical form</u>.

Express each of the following square roots using standard radical form.

$$8. \quad \sqrt{\dfrac{3}{4}} = \boxed{}$$

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

The numerator is already in <u>standard radical form</u>. The radicand,

Step 4: Express the numerator in <u>standard radical form</u>.

Express each of the following square roots using standard radical form.

8. $\sqrt{\dfrac{3}{4}} = \boxed{}$

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

The numerator is already in **standard radical form**. The radicand, 3,

Step 4: Express the numerator in standard radical form.

Express each of the following square roots using standard radical form.

8. $\sqrt{\dfrac{3}{4}} = \boxed{}$

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

The numerator is already in <u>standard radical form</u>. The radicand, 3, is a whole number which does <u>not</u> have any perfect square factors greater than 1.

Step 4: Express the numerator in <u>standard radical form</u>.

Express each of the following square roots using standard radical form.

$$8. \quad \sqrt{\dfrac{3}{4}} = \boxed{\dfrac{\sqrt{3}}{2}}$$

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

The numerator is already in <u>standard radical form</u>. The radicand, 3, is a whole number which does <u>not</u> have any perfect square factors greater than 1.

Step 4: Express the numerator in <u>standard radical form</u>.

Express each of the following square roots using standard radical form.

8. $\quad \sqrt{\dfrac{3}{4}} \quad = \quad \boxed{\dfrac{\sqrt{3}}{2}}$

$$= \quad \dfrac{\sqrt{3}}{\sqrt{4}} \quad = \quad \dfrac{\sqrt{3}}{2}$$

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

8. $\sqrt{\dfrac{3}{4}} = \boxed{\dfrac{\sqrt{3}}{2}}$

$= \dfrac{\sqrt{3}}{\sqrt{4}} = \dfrac{\sqrt{3}}{2} = \dfrac{1}{2}\sqrt{3}$

Express each of the following square roots using standard radical form.

8. $\sqrt{\dfrac{3}{4}} = \boxed{\dfrac{\sqrt{3}}{2}}$

$$= \dfrac{\sqrt{3}}{\sqrt{4}} = \dfrac{\sqrt{3}}{2} = \dfrac{1}{2}\sqrt{3}$$

Either answer is correct.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

9. $\sqrt{\dfrac{5}{8}}$ = $\boxed{}$

Express each of the following square roots using standard radical form.

9. $\sqrt{\dfrac{5}{8}}$ = $\boxed{}$

Step 1: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

9. $\sqrt{\dfrac{5}{8}} = \boxed{}$

$=$

Express each of the following square roots using standard radical form.

9. $\sqrt{\dfrac{5}{8}} = \boxed{}$

$= \sqrt{}$

Step 1: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Express each of the following square roots using standard radical form.

9. $\sqrt{\dfrac{5}{8}}$ = $\boxed{}$

$= \sqrt{\dfrac{10}{16}}$

Step 1: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

9. $\quad\sqrt{\dfrac{5}{8}}\ =\ \boxed{}$

$\quad=\ \sqrt{\dfrac{10}{16}}$

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

9. $\sqrt{\dfrac{5}{8}}$ = ☐

$= \sqrt{\dfrac{10}{16}}$

Step 2: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

9. $\sqrt{\dfrac{5}{8}}$ = $\boxed{}$

$= \sqrt{\dfrac{10}{16}}$ =

Step 2: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

9. $\sqrt{\dfrac{5}{8}} = \boxed{}$

$= \sqrt{\dfrac{10}{16}} = \dfrac{\sqrt{10}}{}$

Step 2: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Express each of the following square roots using standard radical form.

9. $\sqrt{\dfrac{5}{8}} = \boxed{}$

$= \sqrt{\dfrac{10}{16}} = \dfrac{\sqrt{10}}{\sqrt{16}}$

Step 2: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

9. $\sqrt{\dfrac{5}{8}}$ $= \boxed{}$

$= \sqrt{\dfrac{10}{16}} = \dfrac{\sqrt{10}}{\sqrt{16}}$

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

9. $\sqrt{\dfrac{5}{8}} = \boxed{}$

$$= \sqrt{\dfrac{10}{16}} = \dfrac{\sqrt{10}}{\sqrt{16}}$$

Step 3: Evaluate the square root of the denominator.

Express each of the following square roots using standard radical form.

9. $\sqrt{\dfrac{5}{8}}\ =\ \boxed{}$

$=\ \sqrt{\dfrac{10}{16}}\ =\ \dfrac{\sqrt{10}}{\sqrt{16}}\ =$

Step 3: Evaluate the square root of the denominator.

Express each of the following square roots using standard radical form.

9. $\sqrt{\dfrac{5}{8}} = \boxed{}$

$= \sqrt{\dfrac{10}{16}} = \dfrac{\sqrt{10}}{\sqrt{16}} = \dfrac{\sqrt{10}}{}$

Step 3: Evaluate the square root of the denominator.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

9. $\sqrt{\dfrac{5}{8}} = \boxed{}$

$$= \sqrt{\dfrac{10}{16}} = \dfrac{\sqrt{10}}{\sqrt{16}} = \dfrac{\sqrt{10}}{4}$$

Step 3: Evaluate the square root of the denominator.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

9. $\sqrt{\dfrac{5}{8}} = \boxed{}$

$= \sqrt{\dfrac{10}{16}} = \dfrac{\sqrt{10}}{\sqrt{16}} = \dfrac{\sqrt{10}}{4}$

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

9. $\quad \sqrt{\dfrac{5}{8}} \quad = \boxed{}$

$$= \sqrt{\dfrac{10}{16}} = \dfrac{\sqrt{10}}{\sqrt{16}} = \dfrac{\sqrt{10}}{4}$$

Step 4: Express the numerator in <u>standard radical form</u>.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

9. $\sqrt{\dfrac{5}{8}}$ = $\boxed{}$

$$= \sqrt{\dfrac{10}{16}} = \dfrac{\sqrt{10}}{\sqrt{16}} = \dfrac{\sqrt{10}}{4}$$

The numerator is already in <u>standard radical form</u>.

Step 4: Express the numerator in <u>standard radical form</u>.

Algebra I Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

9. $\quad \sqrt{\dfrac{5}{8}} \quad = \quad \boxed{}$

$$= \sqrt{\dfrac{10}{16}} = \dfrac{\sqrt{10}}{\sqrt{16}} = \dfrac{\sqrt{10}}{4}$$

The numerator is already in <u>standard radical form</u>. The radicand,

Express each of the following square roots using standard radical form.

9. $\quad \sqrt{\dfrac{5}{8}} \quad = \quad \boxed{}$

$$= \sqrt{\dfrac{10}{16}} = \dfrac{\sqrt{10}}{\sqrt{16}} = \dfrac{\sqrt{10}}{4}$$

The numerator is already in <u>standard radical form</u>. The radicand, 10,

Step 4: Express the numerator in <u>standard radical form</u>.

Express each of the following square roots using standard radical form.

$$9. \quad \sqrt{\dfrac{5}{8}} \quad = \quad \boxed{}$$

$$= \quad \sqrt{\dfrac{10}{16}} \quad = \quad \dfrac{\sqrt{10}}{\sqrt{16}} \quad = \quad \dfrac{\sqrt{10}}{4}$$

The numerator is already in <u>standard radical form</u>. The radicand, 10, is a whole number which does <u>not</u> have any perfect square factors greater than 1.

Step 4: Express the numerator in <u>standard radical form</u>.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

9. $\sqrt{\dfrac{5}{8}} = \boxed{\dfrac{\sqrt{10}}{4}}$

$= \sqrt{\dfrac{10}{16}} = \dfrac{\sqrt{10}}{\sqrt{16}} = \dfrac{\sqrt{10}}{4}$

The numerator is already in <u>standard radical form</u>. The radicand, 10, is a whole number which does <u>not</u> have any perfect square factors greater than 1.

Step 4: Express the numerator in <u>standard radical form</u>.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

9. $\quad \sqrt{\dfrac{5}{8}} \;=\; \boxed{\dfrac{\sqrt{10}}{4}}$

$\quad = \sqrt{\dfrac{10}{16}} \;=\; \dfrac{\sqrt{10}}{\sqrt{16}} \;=\; \dfrac{\sqrt{10}}{4}$

Express each of the following square roots using standard radical form.

9. $\quad \sqrt{\dfrac{5}{8}} = \boxed{\dfrac{\sqrt{10}}{4}}$

$$= \sqrt{\dfrac{10}{16}} = \dfrac{\sqrt{10}}{\sqrt{16}} = \dfrac{\sqrt{10}}{4} = \dfrac{1}{4}\sqrt{10}$$

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

9. $\sqrt{\dfrac{5}{8}} = \boxed{\dfrac{\sqrt{10}}{4}}$

$= \sqrt{\dfrac{10}{16}} = \dfrac{\sqrt{10}}{\sqrt{16}} = \dfrac{\sqrt{10}}{4} = \dfrac{1}{4}\sqrt{10}$

Either answer is correct.

Express each of the following square roots using standard radical form.

10. $\sqrt{\dfrac{4}{5}} = \boxed{}$

Express each of the following square roots using standard radical form.

10. $\sqrt{\dfrac{4}{5}}$ = $\boxed{}$

Step 1: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Express each of the following square roots using standard radical form.

10. $\sqrt{\dfrac{4}{5}}$ = $\boxed{}$

=

Express each of the following square roots using standard radical form.

10. $\sqrt{\dfrac{4}{5}}$ = ☐

= $\sqrt{}$

Step 1: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Express each of the following square roots using standard radical form.

10. $\sqrt{\dfrac{4}{5}} = \boxed{}$

$= \sqrt{\dfrac{20}{25}}$

Step 1: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Express each of the following square roots using standard radical form.

10. $\sqrt{\dfrac{4}{5}}$ = $\boxed{}$

= $\sqrt{\dfrac{20}{25}}$

Express each of the following square roots using standard radical form.

10. $\sqrt{\dfrac{4}{5}}$ = $\boxed{}$

$= \sqrt{\dfrac{20}{25}}$

Step 2: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Express each of the following square roots using standard radical form.

10. $\sqrt{\dfrac{4}{5}} = \boxed{}$

$= \sqrt{\dfrac{20}{25}} =$

Step 2: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Express each of the following square roots using standard radical form.

$$10. \quad \sqrt{\frac{4}{5}} \quad = \quad \boxed{}$$

$$= \sqrt{\frac{20}{25}} = \frac{\sqrt{20}}{}$$

Step 2: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Express each of the following square roots using standard radical form.

$$10. \quad \sqrt{\frac{4}{5}} \quad = \quad \boxed{}$$

$$= \sqrt{\frac{20}{25}} = \frac{\sqrt{20}}{\sqrt{25}}$$

Step 2: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

$$10. \quad \sqrt{\frac{4}{5}} \quad = \quad \boxed{}$$

$$= \sqrt{\frac{20}{25}} = \frac{\sqrt{20}}{\sqrt{25}}$$

Express each of the following square roots using standard radical form.

$$10. \quad \sqrt{\frac{4}{5}} = \boxed{}$$

$$= \sqrt{\frac{20}{25}} = \frac{\sqrt{20}}{\sqrt{25}}$$

Step 3: Evaluate the square root of the denominator.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

$$10. \quad \sqrt{\frac{4}{5}} = \boxed{}$$

$$= \sqrt{\frac{20}{25}} = \frac{\sqrt{20}}{\sqrt{25}} =$$

Step 3: Evaluate the square root of the denominator.

Express each of the following square roots using standard radical form.

$$10. \quad \sqrt{\frac{4}{5}} = \boxed{}$$

$$= \sqrt{\frac{20}{25}} = \frac{\sqrt{20}}{\sqrt{25}} = \frac{\sqrt{20}}{\underline{}}$$

Step 3: Evaluate the square root of the denominator.

Express each of the following square roots using standard radical form.

$$10. \quad \sqrt{\frac{4}{5}} = \boxed{}$$

$$= \sqrt{\frac{20}{25}} = \frac{\sqrt{20}}{\sqrt{25}} = \frac{\sqrt{20}}{5}$$

Step 3: Evaluate the square root of the denominator.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

$$10. \quad \sqrt{\frac{4}{5}} \quad = \quad \boxed{}$$

$$= \sqrt{\frac{20}{25}} = \frac{\sqrt{20}}{\sqrt{25}} = \frac{\sqrt{20}}{5}$$

Express each of the following square roots using standard radical form.

$$10. \quad \sqrt{\frac{4}{5}} = \boxed{}$$

$$= \sqrt{\frac{20}{25}} = \frac{\sqrt{20}}{\sqrt{25}} = \frac{\sqrt{20}}{5}$$

Step 4: Express the numerator in <u>standard radical form</u>.

Express each of the following square roots using standard radical form.

$$10. \quad \sqrt{\dfrac{4}{5}} \;=\; \boxed{}$$

$$=\; \sqrt{\dfrac{20}{25}} \;=\; \dfrac{\sqrt{20}}{\sqrt{25}} \;=\; \dfrac{\sqrt{20}}{5}$$

The numerator is <u>not</u> in <u>standard radical form</u>.

Step 4: Express the numerator in <u>standard radical form</u>.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

$$10. \quad \sqrt{\frac{4}{5}} = \boxed{}$$

$$= \sqrt{\frac{20}{25}} = \frac{\sqrt{20}}{\sqrt{25}} = \frac{\sqrt{20}}{5}$$

The numerator is <u>not</u> in <u>standard radical form</u>. The radicand,

Step 4: Express the numerator in <u>standard radical form</u>.

Express each of the following square roots using standard radical form.

$$10. \quad \sqrt{\frac{4}{5}} \quad = \quad \boxed{}$$

$$= \sqrt{\frac{20}{25}} = \frac{\sqrt{20}}{\sqrt{25}} = \frac{\sqrt{20}}{5}$$

The numerator is <u>not</u> in <u>standard radical form</u>. The radicand, 20,

Step 4: Express the numerator in <u>standard radical form</u>.

Express each of the following square roots using standard radical form.

$$10. \quad \sqrt{\frac{4}{5}} = \boxed{}$$

$$= \sqrt{\frac{20}{25}} = \frac{\sqrt{20}}{\sqrt{25}} = \frac{\sqrt{20}}{5}$$

The numerator is <u>not</u> in <u>standard radical form</u>. The radicand, 20, is a whole number which <u>does</u> have a perfect square factor greater than 1.

Step 4: Express the numerator in <u>standard radical form</u>.

Express each of the following square roots using standard radical form.

$$10. \quad \sqrt{\frac{4}{5}} = \boxed{}$$

$$= \sqrt{\frac{20}{25}} = \frac{\sqrt{20}}{\sqrt{25}} = \frac{\sqrt{20}}{5}$$

The numerator is <u>not</u> in <u>standard radical form</u>. The radicand, 20, is a whole number which <u>does</u> have a perfect square factor greater than 1. (20 = 4 · 5)

Step 4: Express the numerator in <u>standard radical form</u>.

Express each of the following square roots using standard radical form.

$$10. \quad \sqrt{\frac{4}{5}} \quad = \quad \Box$$

$$= \sqrt{\frac{20}{25}} = \frac{\sqrt{20}}{\sqrt{25}} = \frac{\sqrt{20}}{5}$$

The numerator is <u>not</u> in <u>standard radical form</u>. The radicand, 20, is a whole number which <u>does</u> have a perfect square factor greater than 1. (20 = 4 · 5)

Step 4: Express the numerator in <u>standard radical form</u>. Use the multiplication property of square roots to factor the expression.

Express each of the following square roots using standard radical form.

$$10. \quad \sqrt{\frac{4}{5}} \quad = \quad \boxed{}$$

$$= \quad \sqrt{\frac{20}{25}} \quad = \quad \frac{\sqrt{20}}{\sqrt{25}} \quad = \quad \frac{\sqrt{20}}{5} \quad =$$

The numerator is <u>not</u> in <u>standard radical form</u>. The radicand, 20, is a whole number which <u>does</u> have a perfect square factor greater than 1. $(20 = 4 \cdot 5)$

Step 4: Express the numerator in <u>standard radical form</u>. Use the multiplication property of square roots to factor the expression.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

$$10. \quad \sqrt{\frac{4}{5}} = \boxed{}$$

$$= \sqrt{\frac{20}{25}} = \frac{\sqrt{20}}{\sqrt{25}} = \frac{\sqrt{20}}{5} = \frac{\rule{4em}{0.4pt}}{5}$$

The numerator is <u>not</u> in <u>standard radical form</u>. The radicand, 20, is a whole number which <u>does</u> have a perfect square factor greater than 1. $(20 = 4 \cdot 5)$

Step 4: Express the numerator in <u>standard radical form</u>. Use the multiplication property of square roots to factor the expression.

Express each of the following square roots using standard radical form.

$$10. \quad \sqrt{\frac{4}{5}} = \boxed{}$$

$$= \sqrt{\frac{20}{25}} = \frac{\sqrt{20}}{\sqrt{25}} = \frac{\sqrt{20}}{5} = \frac{\sqrt{4}}{5}$$

The numerator is <u>not</u> in <u>standard radical form</u>. The radicand, 20, is a whole number which <u>does</u> have a perfect square factor greater than 1. (20 = 4 · 5)

Step 4: Express the numerator in <u>standard radical form</u>. Use the multiplication property of square roots to factor the expression.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

$$10. \quad \sqrt{\frac{4}{5}} = \boxed{}$$

$$= \sqrt{\frac{20}{25}} = \frac{\sqrt{20}}{\sqrt{25}} = \frac{\sqrt{20}}{5} = \frac{\sqrt{4 \cdot}}{5}$$

The numerator is <u>not</u> in <u>standard radical form</u>. The radicand, 20, is a whole number which <u>does</u> have a perfect square factor greater than 1. $(20 = 4 \cdot 5)$

Step 4: Express the numerator in <u>standard radical form</u>. Use the multiplication property of square roots to factor the expression.

Express each of the following square roots using standard radical form.

10. $\sqrt{\dfrac{4}{5}}$ = $\boxed{}$

$$= \sqrt{\dfrac{20}{25}} = \dfrac{\sqrt{20}}{\sqrt{25}} = \dfrac{\sqrt{20}}{5} = \dfrac{\sqrt{4} \cdot \sqrt{5}}{5}$$

The numerator is <u>not</u> in <u>standard radical form</u>. The radicand, 20, is a whole number which <u>does</u> have a perfect square factor greater than 1. (20 = 4 · 5)

Step 4: Express the numerator in <u>standard radical form</u>. Use the multiplication property of square roots to factor the expression.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

$$10. \quad \sqrt{\dfrac{4}{5}} = \boxed{}$$

$$= \sqrt{\dfrac{20}{25}} = \dfrac{\sqrt{20}}{\sqrt{25}} = \dfrac{\sqrt{20}}{5} = \dfrac{\sqrt{4} \cdot \sqrt{5}}{5}$$

The numerator is <u>not</u> in <u>standard radical form</u>. The radicand, 20, is a whole number which <u>does</u> have a perfect square factor greater than 1. (20 = 4 · 5)

Step 4: Express the numerator in <u>standard radical form</u>. Use the multiplication property of square roots to factor the expression. Evaluate the square root of the perfect square factor.

Express each of the following square roots using standard radical form.

10. $\sqrt{\dfrac{4}{5}} = \boxed{}$

$$= \sqrt{\dfrac{20}{25}} = \dfrac{\sqrt{20}}{\sqrt{25}} = \dfrac{\sqrt{20}}{5} = \dfrac{\sqrt{4} \cdot \sqrt{5}}{5} =$$

The numerator is <u>not</u> in <u>standard radical form</u>. The radicand, 20, is a whole number which <u>does</u> have a perfect square factor greater than 1. $(20 = 4 \cdot 5)$

Step 4: Express the numerator in <u>standard radical form</u>. Use the multiplication property of square roots to factor the expression. Evaluate the square root of the perfect square factor.

Express each of the following square roots using standard radical form.

$$10. \quad \sqrt{\dfrac{4}{5}} = \boxed{}$$

$$= \sqrt{\dfrac{20}{25}} = \dfrac{\sqrt{20}}{\sqrt{25}} = \dfrac{\sqrt{20}}{5} = \dfrac{\sqrt{4} \cdot \sqrt{5}}{5} = \dfrac{2\underline{}}{}$$

The numerator is <u>not</u> in <u>standard radical form</u>. The radicand, 20, is a whole number which <u>does</u> have a perfect square factor greater than 1. $(20 = 4 \cdot 5)$

Step 4: Express the numerator in <u>standard radical form</u>. Use the multiplication property of square roots to factor the expression. Evaluate the square root of the perfect square factor.

Express each of the following square roots using standard radical form.

10. $\sqrt{\dfrac{4}{5}}$ = $\boxed{}$

$= \sqrt{\dfrac{20}{25}} = \dfrac{\sqrt{20}}{\sqrt{25}} = \dfrac{\sqrt{20}}{5} = \dfrac{\sqrt{4} \cdot \sqrt{5}}{5} = \dfrac{2\sqrt{5}}{5}$

The numerator is <u>not</u> in <u>standard radical form</u>. The radicand, 20, is a whole number which <u>does</u> have a perfect square factor greater than 1. $(20 = 4 \cdot 5)$

Step 4: Express the numerator in <u>standard radical form</u>. Use the multiplication property of square roots to factor the expression. Evaluate the square root of the perfect square factor.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

$$10. \quad \sqrt{\frac{4}{5}} = \boxed{}$$

$$= \sqrt{\frac{20}{25}} = \frac{\sqrt{20}}{\sqrt{25}} = \frac{\sqrt{20}}{5} = \frac{\sqrt{4} \cdot \sqrt{5}}{5} = \frac{2\sqrt{5}}{5}$$

The numerator is **not** in **standard radical form**. The radicand, 20, is a whole number which **does** have a perfect square factor greater than 1. $(20 = 4 \cdot 5)$

Step 4: Express the numerator in standard radical form. Use the multiplication property of square roots to factor the expression. Evaluate the square root of the perfect square factor.

Express each of the following square roots using standard radical form.

$$10. \quad \sqrt{\dfrac{4}{5}} = \boxed{\dfrac{2\sqrt{5}}{5}}$$

$$= \sqrt{\dfrac{20}{25}} = \dfrac{\sqrt{20}}{\sqrt{25}} = \dfrac{\sqrt{20}}{5} = \dfrac{\sqrt{4} \cdot \sqrt{5}}{5} = \dfrac{2\sqrt{5}}{5}$$

The numerator is **not** in **standard radical form**. The radicand, 20, is a whole number which **does** have a perfect square factor greater than 1. $(20 = 4 \cdot 5)$

Step 4: Express the numerator in standard radical form. Use the multiplication property of square roots to factor the expression. Evaluate the square root of the perfect square factor.

Express each of the following square roots using standard radical form.

$$10. \quad \sqrt{\dfrac{4}{5}} = \boxed{\dfrac{2\sqrt{5}}{5}}$$

$$= \sqrt{\dfrac{20}{25}} = \dfrac{\sqrt{20}}{\sqrt{25}} = \dfrac{\sqrt{20}}{5} = \dfrac{\sqrt{4} \cdot \sqrt{5}}{5} = \dfrac{2\sqrt{5}}{5}$$

Express each of the following square roots using standard radical form.

$$10. \quad \sqrt{\frac{4}{5}} = \boxed{\frac{2\sqrt{5}}{5}}$$

$$= \sqrt{\frac{20}{25}} = \frac{\sqrt{20}}{\sqrt{25}} = \frac{\sqrt{20}}{5} = \frac{\sqrt{4} \cdot \sqrt{5}}{5} = \frac{2\sqrt{5}}{5} = \frac{2}{5}\sqrt{5}$$

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

$$10. \quad \sqrt{\frac{4}{5}} \; = \; \boxed{\frac{2\sqrt{5}}{5}}$$

$$= \sqrt{\frac{20}{25}} = \frac{\sqrt{20}}{\sqrt{25}} = \frac{\sqrt{20}}{5} = \frac{\sqrt{4} \cdot \sqrt{5}}{5} = \frac{2\sqrt{5}}{5} = \frac{2}{5}\sqrt{5}$$

Either answer is correct.

Next, consider the square root of a decimal which is <u>not</u> a perfect square.

Next, consider the square root of a decimal which is <u>not</u> a perfect square. Consider this example.

Next, consider the square root of a decimal which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{0.4}$$

Next, consider the square root of a decimal which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{0.4}$$

0.4 is not a perfect square.

Next, consider the square root of a decimal which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{0.4}$$

0.4 is not a perfect square.
(0.2)(0.2) = 0.04

Next, consider the square root of a decimal which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{0.4}$$

Next, consider the square root of a decimal which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{0.4}$$

Step 1: Express the decimal as a fraction in lowest terms.

Next, consider the square root of a decimal which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{0.4} \; =$$

Step 1: Express the decimal as a fraction in lowest terms.

Next, consider the square root of a decimal which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{0.4} = \sqrt{}$$

Step 1: Express the decimal as a fraction in lowest terms.

Next, consider the square root of a decimal which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{0.4} = \sqrt{\dfrac{2}{}}$$

Step 1: Express the decimal as a fraction in lowest terms.

Next, consider the square root of a decimal which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{0.4} = \sqrt{\frac{2}{5}}$$

Step 1: Express the decimal as a fraction in lowest terms.

Next, consider the square root of a decimal which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{0.4} = \sqrt{\frac{2}{5}}$$

Now proceed as you learned when dealing with the square root of a fraction.

Step 1: Express the decimal as a fraction in lowest terms.

Next, consider the square root of a decimal which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{0.4} = \sqrt{\frac{2}{5}}$$

Step 1: Express the decimal as a fraction in lowest terms.

Next, consider the square root of a decimal which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{0.4} = \sqrt{\frac{2}{5}}$$

Step 2: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Next, consider the square root of a decimal which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{0.4} = \sqrt{\frac{2}{5}} =$$

Step 2: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Next, consider the square root of a decimal which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{0.4} = \sqrt{\frac{2}{5}} = \sqrt{}$$

Step 2: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Next, consider the square root of a decimal which is **not** a perfect square. Consider this example.

$$\sqrt{0.4} = \sqrt{\frac{2}{5}} = \sqrt{\frac{10}{25}}$$

Step 2: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Next, consider the square root of a decimal which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{0.4} = \sqrt{\frac{2}{5}} = \sqrt{\frac{10}{25}}$$

Next, consider the square root of a decimal which is _not_ a perfect square. Consider this example.

$$\sqrt{0.4} = \sqrt{\frac{2}{5}} = \sqrt{\frac{10}{25}}$$

Step 3: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Next, consider the square root of a decimal which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{0.4} \;=\; \sqrt{\dfrac{2}{5}} \;=\; \sqrt{\dfrac{10}{25}} \;=$$

Step 3: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Next, consider the square root of a decimal which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{0.4} = \sqrt{\frac{2}{5}} = \sqrt{\frac{10}{25}} = \frac{\sqrt{10}}{}$$

Step 3: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Next, consider the square root of a decimal which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{0.4} = \sqrt{\frac{2}{5}} = \sqrt{\frac{10}{25}} = \frac{\sqrt{10}}{\sqrt{25}}$$

Step 3: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Next, consider the square root of a decimal which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{0.4} = \sqrt{\frac{2}{5}} = \sqrt{\frac{10}{25}} = \frac{\sqrt{10}}{\sqrt{25}}$$

Next, consider the square root of a decimal which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{0.4} = \sqrt{\frac{2}{5}} = \sqrt{\frac{10}{25}} = \frac{\sqrt{10}}{\sqrt{25}}$$

Step 4: Evaluate the square root of the denominator.

Next, consider the square root of a decimal which is __not__ a perfect square. Consider this example.

$$\sqrt{0.4} = \sqrt{\frac{2}{5}} = \sqrt{\frac{10}{25}} = \frac{\sqrt{10}}{\sqrt{25}} =$$

Step 4: Evaluate the square root of the denominator.

Next, consider the square root of a decimal which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{0.4} = \sqrt{\frac{2}{5}} = \sqrt{\frac{10}{25}} = \frac{\sqrt{10}}{\sqrt{25}} = \frac{\sqrt{10}}{}$$

Step 4: Evaluate the square root of the denominator.

Next, consider the square root of a decimal which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{0.4} = \sqrt{\frac{2}{5}} = \sqrt{\frac{10}{25}} = \frac{\sqrt{10}}{\sqrt{25}} = \frac{\sqrt{10}}{5}$$

Step 4: Evaluate the square root of the denominator.

Next, consider the square root of a decimal which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{0.4} = \sqrt{\frac{2}{5}} = \sqrt{\frac{10}{25}} = \frac{\sqrt{10}}{\sqrt{25}} = \frac{\sqrt{10}}{5}$$

Next, consider the square root of a decimal which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{0.4} = \sqrt{\frac{2}{5}} = \sqrt{\frac{10}{25}} = \frac{\sqrt{10}}{\sqrt{25}} = \frac{\sqrt{10}}{5}$$

Step 5: Express the numerator in <u>standard radical form</u>.

Next, consider the square root of a decimal which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{0.4} = \sqrt{\frac{2}{5}} = \sqrt{\frac{10}{25}} = \frac{\sqrt{10}}{\sqrt{25}} = \frac{\sqrt{10}}{5}$$

The numerator is already in <u>standard radical form</u>.

Step 5: Express the numerator in <u>standard radical form</u>.

Next, consider the square root of a decimal which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{0.4} = \sqrt{\frac{2}{5}} = \sqrt{\frac{10}{25}} = \frac{\sqrt{10}}{\sqrt{25}} = \frac{\sqrt{10}}{5}$$

Next, consider the square root of a decimal which is _not_ a perfect square. Consider this example.

$$\sqrt{0.4} = \sqrt{\frac{2}{5}} = \sqrt{\frac{10}{25}} = \frac{\sqrt{10}}{\sqrt{25}} = \frac{\sqrt{10}}{5}$$

The correct answer can also be expressed in this form.

Next, consider the square root of a decimal which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{0.4} = \sqrt{\frac{2}{5}} = \sqrt{\frac{10}{25}} = \frac{\sqrt{10}}{\sqrt{25}} = \frac{\sqrt{10}}{5} = \frac{1}{5}\sqrt{10}$$

The correct answer can also be expressed in this form.

Next, consider the square root of a decimal which is __not__ a perfect square. Consider this example.

$$\sqrt{0.4} = \sqrt{\frac{2}{5}} = \sqrt{\frac{10}{25}} = \frac{\sqrt{10}}{\sqrt{25}} = \frac{\sqrt{10}}{5} = \frac{1}{5}\sqrt{10}$$

The correct answer can also be expressed in this form. Both answers are considered to be in __standard radical form__.

Next, consider the square root of a decimal which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{0.4} = \sqrt{\frac{2}{5}} = \sqrt{\frac{10}{25}} = \frac{\sqrt{10}}{\sqrt{25}} = \frac{\sqrt{10}}{5} = \frac{1}{5}\sqrt{10}$$

The correct answer can also be expressed in this form. Both answers are considered to be in <u>standard radical form</u>.

Next, consider the square root of a decimal which is <u>not</u> a perfect square. Consider this example.

$$\sqrt{0.4} = \sqrt{\frac{2}{5}} = \sqrt{\frac{10}{25}} = \frac{\sqrt{10}}{\sqrt{25}} = \frac{\sqrt{10}}{5} = \frac{1}{5}\sqrt{10}$$

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

11. $\sqrt{0.2}$ = $\boxed{}$

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

11. $\sqrt{0.2}$ = [ ]

Express each of the following square roots using standard radical form.

11. $\sqrt{0.2}$ =

=

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

11. $\sqrt{0.2}$ = ☐

$$= \sqrt{}$$

Step 1: Express the decimal as a fraction in lowest terms.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

11. $\sqrt{0.2}$ = ☐

$= \sqrt{\dfrac{1}{5}}$

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

11. $\sqrt{0.2}$ = ⬜

$$= \sqrt{\frac{1}{5}}$$

Express each of the following square roots using standard radical form.

11. $\sqrt{0.2}$ = $\boxed{}$

$= \sqrt{\dfrac{1}{5}}$

Step 2: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

11. $\sqrt{0.2}$ = ⬜

$= \sqrt{\dfrac{1}{5}} =$

Step 2: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

11. $\sqrt{0.2}$ = $\boxed{}$

$$= \sqrt{\frac{1}{5}} = \sqrt{}$$

Step 2: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Express each of the following square roots using standard radical form.

11. $\sqrt{0.2} = \boxed{}$

$$= \sqrt{\dfrac{1}{5}} = \sqrt{\dfrac{5}{25}}$$

Step 2: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

11. $\sqrt{0.2}$ = ⬜

$$= \sqrt{\frac{1}{5}} = \sqrt{\frac{5}{25}}$$

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

$$11. \quad \sqrt{0.2} = \boxed{}$$

$$= \sqrt{\frac{1}{5}} = \sqrt{\frac{5}{25}}$$

Step 3: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Express each of the following square roots using standard radical form.

$$11. \quad \sqrt{0.2} = \boxed{}$$

$$= \sqrt{\frac{1}{5}} = \sqrt{\frac{5}{25}} =$$

Step 3: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Express each of the following square roots using standard radical form.

11. $\sqrt{0.2}$ = $\boxed{}$

$$= \sqrt{\frac{1}{5}} = \sqrt{\frac{5}{25}} = \frac{\sqrt{5}}{}$$

Step 3: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

11. $\sqrt{0.2}$ = $\boxed{}$

$$= \sqrt{\frac{1}{5}} = \sqrt{\frac{5}{25}} = \frac{\sqrt{5}}{\sqrt{25}}$$

Step 3: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

11. $\sqrt{0.2} = \boxed{}$

$$= \sqrt{\frac{1}{5}} = \sqrt{\frac{5}{25}} = \frac{\sqrt{5}}{\sqrt{25}}$$

Express each of the following square roots using standard radical form.

11. $\sqrt{0.2} = \boxed{}$

$$= \sqrt{\frac{1}{5}} = \sqrt{\frac{5}{25}} = \frac{\sqrt{5}}{\sqrt{25}}$$

Step 4: Evaluate the square root of the denominator.

Express each of the following square roots using standard radical form.

11. $\sqrt{0.2}$ = $\boxed{}$

$$= \sqrt{\dfrac{1}{5}} = \sqrt{\dfrac{5}{25}} = \dfrac{\sqrt{5}}{\sqrt{25}} =$$

Step 4: Evaluate the square root of the denominator.

Express each of the following square roots using standard radical form.

11. $\sqrt{0.2} = \boxed{}$

$$= \sqrt{\frac{1}{5}} = \sqrt{\frac{5}{25}} = \frac{\sqrt{5}}{\sqrt{25}} = \frac{\sqrt{5}}{5}$$

Step 4: Evaluate the square root of the denominator.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

11. $\sqrt{0.2}$ = ▢

$$= \sqrt{\frac{1}{5}} = \sqrt{\frac{5}{25}} = \frac{\sqrt{5}}{\sqrt{25}} = \frac{\sqrt{5}}{5}$$

Step 4: Evaluate the square root of the denominator.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

11. $\sqrt{0.2} = \boxed{}$

$$= \sqrt{\frac{1}{5}} = \sqrt{\frac{5}{25}} = \frac{\sqrt{5}}{\sqrt{25}} = \frac{\sqrt{5}}{5}$$

Express each of the following square roots using standard radical form.

11. $\sqrt{0.2} = \boxed{}$

$$= \sqrt{\dfrac{1}{5}} = \sqrt{\dfrac{5}{25}} = \dfrac{\sqrt{5}}{\sqrt{25}} = \dfrac{\sqrt{5}}{5}$$

Step 5: Express the numerator in <u>standard radical form</u>.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

11. $\sqrt{0.2}$ = $\boxed{}$

$$= \sqrt{\frac{1}{5}} = \sqrt{\frac{5}{25}} = \frac{\sqrt{5}}{\sqrt{25}} = \frac{\sqrt{5}}{5}$$

The numerator is already in <u>standard radical form</u>.

Step 5: Express the numerator in <u>standard radical form</u>.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

11. $\sqrt{0.2} = \dfrac{\sqrt{5}}{5}$

$= \sqrt{\dfrac{1}{5}} = \sqrt{\dfrac{5}{25}} = \dfrac{\sqrt{5}}{\sqrt{25}} = \dfrac{\sqrt{5}}{5}$

The numerator is already in <u>standard radical form</u>.

Step 5: Express the numerator in <u>standard radical form</u>.

Express each of the following square roots using standard radical form.

11. $\sqrt{0.2} = \dfrac{\sqrt{5}}{5}$

$= \sqrt{\dfrac{1}{5}} = \sqrt{\dfrac{5}{25}} = \dfrac{\sqrt{5}}{\sqrt{25}} = \dfrac{\sqrt{5}}{5}$

Express each of the following square roots using standard radical form.

11. $\sqrt{0.2} = \dfrac{\sqrt{5}}{5}$

$$= \sqrt{\dfrac{1}{5}} = \sqrt{\dfrac{5}{25}} = \dfrac{\sqrt{5}}{\sqrt{25}} = \dfrac{\sqrt{5}}{5} = \dfrac{1}{5}\sqrt{5}$$

Express each of the following square roots using standard radical form.

11. $\sqrt{0.2} = \dfrac{\sqrt{5}}{5}$

$= \sqrt{\dfrac{1}{5}} = \sqrt{\dfrac{5}{25}} = \dfrac{\sqrt{5}}{\sqrt{25}} = \dfrac{\sqrt{5}}{5} = \dfrac{1}{5}\sqrt{5}$

Either answer is correct.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

12. $\sqrt{0.6}$ = ☐

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

12. $\sqrt{0.6}$ = ☐

Step 1: Express the decimal as a fraction in lowest terms.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

12. $\sqrt{0.6}$ = ☐

=

Express each of the following square roots using standard radical form.

12. $\sqrt{0.6}$ = $\boxed{}$

= $\sqrt{}$

Step 1: Express the decimal as a fraction in lowest terms.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

12. $\sqrt{0.6}$ = ☐

$= \sqrt{\dfrac{3}{5}}$

Step 1: Express the decimal as a fraction in lowest terms.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

12. $\sqrt{0.6}$ = $\boxed{}$

$$= \sqrt{\frac{3}{5}}$$

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

12. $\sqrt{0.6}$ = $\boxed{}$

$= \sqrt{\dfrac{3}{5}}$

Express each of the following square roots using standard radical form.

12. $\sqrt{0.6}$ = $\boxed{}$

$= \sqrt{\dfrac{3}{5}} =$

Step 2: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

12. $\sqrt{0.6}$ = $\boxed{}$

$= \sqrt{\dfrac{3}{5}} = \sqrt{}$

Step 2: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

12. $\sqrt{0.6}$ = □

$$= \sqrt{\frac{3}{5}} = \sqrt{\frac{15}{25}}$$

Step 2: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

12. $\sqrt{0.6}$ = $\boxed{}$

$$= \sqrt{\frac{3}{5}} = \sqrt{\frac{15}{25}}$$

Express each of the following square roots using standard radical form.

12. $\sqrt{0.6}\ =\ \boxed{}$

$$=\ \sqrt{\frac{3}{5}}\ =\ \sqrt{\frac{15}{25}}$$

Step 3: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Express each of the following square roots using standard radical form.

12. $\sqrt{0.6} = \boxed{}$

$$= \sqrt{\dfrac{3}{5}} = \sqrt{\dfrac{15}{25}} =$$

Step 3: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Express each of the following square roots using standard radical form.

12. $\quad \sqrt{0.6} = \boxed{}$

$$= \sqrt{\dfrac{3}{5}} = \sqrt{\dfrac{15}{25}} = \dfrac{\sqrt{15}}{}$$

Step 3: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Express each of the following square roots using standard radical form.

12. $\sqrt{0.6} = \boxed{}$

$$= \sqrt{\frac{3}{5}} = \sqrt{\frac{15}{25}} = \frac{\sqrt{15}}{\sqrt{25}}$$

Step 3: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Express each of the following square roots using standard radical form.

12. $\sqrt{0.6}$ = $\boxed{}$

$$= \sqrt{\frac{3}{5}} = \sqrt{\frac{15}{25}} = \frac{\sqrt{15}}{\sqrt{25}}$$

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

12. $\sqrt{0.6} = \boxed{}$

$$= \sqrt{\frac{3}{5}} = \sqrt{\frac{15}{25}} = \frac{\sqrt{15}}{\sqrt{25}}$$

Step 4: Evaluate the square root of the denominator.

Express each of the following square roots using standard radical form.

12. $\sqrt{0.6}$ = $\boxed{}$

$= \sqrt{\dfrac{3}{5}} = \sqrt{\dfrac{15}{25}} = \dfrac{\sqrt{15}}{\sqrt{25}} =$

Step 4: Evaluate the square root of the denominator.

Express each of the following square roots using standard radical form.

12. $\sqrt{0.6} = \boxed{}$

$$= \sqrt{\frac{3}{5}} = \sqrt{\frac{15}{25}} = \frac{\sqrt{15}}{\sqrt{25}} = \frac{\sqrt{15}}{}$$

Step 4: Evaluate the square root of the denominator.

Express each of the following square roots using standard radical form.

12. $\sqrt{0.6} = \boxed{}$

$$= \sqrt{\frac{3}{5}} = \sqrt{\frac{15}{25}} = \frac{\sqrt{15}}{\sqrt{25}} = \frac{\sqrt{15}}{5}$$

Step 4: Evaluate the square root of the denominator.

Express each of the following square roots using standard radical form.

12. $\sqrt{0.6} = \boxed{}$

$$= \sqrt{\frac{3}{5}} = \sqrt{\frac{15}{25}} = \frac{\sqrt{15}}{\sqrt{25}} = \frac{\sqrt{15}}{5}$$

Express each of the following square roots using standard radical form.

12. $\sqrt{0.6} = \boxed{}$

$$= \sqrt{\frac{3}{5}} = \sqrt{\frac{15}{25}} = \frac{\sqrt{15}}{\sqrt{25}} = \frac{\sqrt{15}}{5}$$

Step 5: Express the numerator in <u>standard radical form</u>.

Express each of the following square roots using standard radical form.

12. $\sqrt{0.6} = \boxed{}$

$$= \sqrt{\frac{3}{5}} = \sqrt{\frac{15}{25}} = \frac{\sqrt{15}}{\sqrt{25}} = \frac{\sqrt{15}}{5}$$

The numerator is already in <u>standard radical form</u>.

Step 5: Express the numerator in <u>standard radical form</u>.

Express each of the following square roots using standard radical form.

$$12. \quad \sqrt{0.6} = \boxed{\dfrac{\sqrt{15}}{5}}$$

$$= \sqrt{\dfrac{3}{5}} = \sqrt{\dfrac{15}{25}} = \dfrac{\sqrt{15}}{\sqrt{25}} = \dfrac{\sqrt{15}}{5}$$

The numerator is already in <u>standard radical form</u>.

Step 5: Express the numerator in <u>standard radical form</u>.

Express each of the following square roots using standard radical form.

12. $\sqrt{0.6} = \dfrac{\sqrt{15}}{5}$

$= \sqrt{\dfrac{3}{5}} = \sqrt{\dfrac{15}{25}} = \dfrac{\sqrt{15}}{\sqrt{25}} = \dfrac{\sqrt{15}}{5}$

Express each of the following square roots using standard radical form.

12. $\sqrt{0.6} = \dfrac{\sqrt{15}}{5}$

$= \sqrt{\dfrac{3}{5}} = \sqrt{\dfrac{15}{25}} = \dfrac{\sqrt{15}}{\sqrt{25}} = \dfrac{\sqrt{15}}{5} = \dfrac{1}{5}\sqrt{15}$

Express each of the following square roots using standard radical form.

12. $\sqrt{0.6} = \dfrac{\sqrt{15}}{5}$

$$= \sqrt{\dfrac{3}{5}} = \sqrt{\dfrac{15}{25}} = \dfrac{\sqrt{15}}{\sqrt{25}} = \dfrac{\sqrt{15}}{5} = \dfrac{1}{5}\sqrt{15}$$

Either answer is correct.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9}$ = ☐

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9}$ = ☐

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9}$ = $\boxed{}$

=

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9}$ = $\boxed{}$

= $\sqrt{}$

Step 1: Express the decimal as a fraction in lowest terms.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9}$ = $\boxed{}$

$= \sqrt{\dfrac{9}{10}}$

Step 1: Express the decimal as a fraction in lowest terms.

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9}$ = $\boxed{}$

$= \sqrt{\dfrac{9}{10}}$

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9} = \boxed{}$

$= \sqrt{\dfrac{9}{10}}$

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

13. $\quad \sqrt{0.9} = \boxed{}$

$$= \sqrt{\dfrac{9}{10}} =$$

Step 2: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9} = \boxed{}$

$$= \sqrt{\frac{9}{10}} = \sqrt{}$$

Step 2: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9} = \boxed{}$

$$= \sqrt{\frac{9}{10}} = \sqrt{\frac{90}{}}$$

Step 2: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9}$ = $\boxed{}$

$$= \sqrt{\frac{9}{10}} = \sqrt{\frac{90}{100}}$$

Step 2: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9} = \boxed{}$

$$= \sqrt{\frac{9}{10}} = \sqrt{\frac{90}{100}}$$

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9} = \boxed{}$

$$= \sqrt{\frac{9}{10}} = \sqrt{\frac{90}{100}}$$

Step 3: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9} = \boxed{}$

$$= \sqrt{\frac{9}{10}} = \sqrt{\frac{90}{100}} =$$

Step 3: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9} = \boxed{}$

$$= \sqrt{\frac{9}{10}} = \sqrt{\frac{90}{100}} = \frac{\sqrt{90}}{}$$

Step 3: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Express each of the following square roots using standard radical form.

13. $\quad \sqrt{0.9} = \boxed{}$

$$= \sqrt{\frac{9}{10}} = \sqrt{\frac{90}{100}} = \frac{\sqrt{90}}{\sqrt{100}}$$

Step 3: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Algebra I Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9}$ = $\boxed{}$

$$= \sqrt{\frac{9}{10}} = \sqrt{\frac{90}{100}} = \frac{\sqrt{90}}{\sqrt{100}}$$

Algebra I Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9} = \boxed{}$

$$= \sqrt{\frac{9}{10}} = \sqrt{\frac{90}{100}} = \frac{\sqrt{90}}{\sqrt{100}}$$

Step 4: Evaluate the square root of the denominator.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9} = \boxed{}$

$$= \sqrt{\frac{9}{10}} = \sqrt{\frac{90}{100}} = \frac{\sqrt{90}}{\sqrt{100}} =$$

$$=$$

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9} = \boxed{}$

$$= \sqrt{\frac{9}{10}} = \sqrt{\frac{90}{100}} = \frac{\sqrt{90}}{\sqrt{100}} =$$

$$= \frac{\sqrt{90}}{}$$

Step 4: Evaluate the square root of the denominator.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9} = \boxed{}$

$$= \sqrt{\frac{9}{10}} = \sqrt{\frac{90}{100}} = \frac{\sqrt{90}}{\sqrt{100}} =$$

$$= \frac{\sqrt{90}}{10}$$

Step 4: Evaluate the square root of the denominator.

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9}$ = $\boxed{}$

$$= \sqrt{\frac{9}{10}} = \sqrt{\frac{90}{100}} = \frac{\sqrt{90}}{\sqrt{100}} =$$

$$= \frac{\sqrt{90}}{10}$$

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9} = \boxed{}$

$$= \sqrt{\dfrac{9}{10}} = \sqrt{\dfrac{90}{100}} = \dfrac{\sqrt{90}}{\sqrt{100}} =$$

$$= \dfrac{\sqrt{90}}{10}$$

Step 5: Express the numerator in <u>standard radical form</u>.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9} = \boxed{}$

$$= \sqrt{\frac{9}{10}} = \sqrt{\frac{90}{100}} = \frac{\sqrt{90}}{\sqrt{100}} =$$

$$= \frac{\sqrt{90}}{10} =$$

Step 5: Express the numerator in <u>standard radical form</u>.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9} = \boxed{}$

$$= \sqrt{\frac{9}{10}} = \sqrt{\frac{90}{100}} = \frac{\sqrt{90}}{\sqrt{100}} =$$

$$= \frac{\sqrt{90}}{10} =$$

Step 5: Express the numerator in <u>standard radical form</u>. Use the multiplication property of square roots to factor the expression.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9} = \boxed{}$

$$= \sqrt{\frac{9}{10}} = \sqrt{\frac{90}{100}} = \frac{\sqrt{90}}{\sqrt{100}} =$$

$$= \frac{\sqrt{90}}{10} = \frac{}{10}$$

Step 5: Express the numerator in <u>standard radical form</u>. Use the multiplication property of square roots to factor the expression.

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9}$ = ⬜

$$= \sqrt{\frac{9}{10}} = \sqrt{\frac{90}{100}} = \frac{\sqrt{90}}{\sqrt{100}} =$$

$$= \frac{\sqrt{90}}{10} = \frac{\sqrt{9}}{10}$$

Step 5: Express the numerator in standard radical form. Use the multiplication property of square roots to factor the expression.

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9} = \boxed{}$

$$= \sqrt{\frac{9}{10}} = \sqrt{\frac{90}{100}} = \frac{\sqrt{90}}{\sqrt{100}} =$$

$$= \frac{\sqrt{90}}{10} = \frac{\sqrt{9} \cdot}{10}$$

Step 5: Express the numerator in <u>standard radical form</u>. Use the multiplication property of square roots to factor the expression.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9} = \boxed{}$

$$= \sqrt{\frac{9}{10}} = \sqrt{\frac{90}{100}} = \frac{\sqrt{90}}{\sqrt{100}} =$$

$$= \frac{\sqrt{90}}{10} = \frac{\sqrt{9} \cdot \sqrt{10}}{10}$$

Step 5: Express the numerator in <u>standard radical form</u>. Use the multiplication property of square roots to factor the expression.

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9} = \boxed{}$

$$= \sqrt{\frac{9}{10}} = \sqrt{\frac{90}{100}} = \frac{\sqrt{90}}{\sqrt{100}} =$$

$$= \frac{\sqrt{90}}{10} = \frac{\sqrt{9} \cdot \sqrt{10}}{10}$$

Step 5: Express the numerator in <u>standard radical form</u>. Use the multiplication property of square roots to factor the expression. Evaluate the square root of the perfect square factor.

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9} = \boxed{}$

$$= \sqrt{\frac{9}{10}} = \sqrt{\frac{90}{100}} = \frac{\sqrt{90}}{\sqrt{100}} =$$

$$= \frac{\sqrt{90}}{10} = \frac{\sqrt{9} \cdot \sqrt{10}}{10} =$$

Step 5: Express the numerator in <u>standard radical form</u>. Use the multiplication property of square roots to factor the expression. Evaluate the square root of the perfect square factor.

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9} = \boxed{}$

$$= \sqrt{\frac{9}{10}} = \sqrt{\frac{90}{100}} = \frac{\sqrt{90}}{\sqrt{100}} =$$

$$= \frac{\sqrt{90}}{10} = \frac{\sqrt{9} \cdot \sqrt{10}}{10} = \frac{3}{\rule{2cm}{0.4pt}}$$

Step 5: Express the numerator in <u>standard radical form</u>. Use the multiplication property of square roots to factor the expression. Evaluate the square root of the perfect square factor.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9} = \boxed{}$

$$= \sqrt{\frac{9}{10}} = \sqrt{\frac{90}{100}} = \frac{\sqrt{90}}{\sqrt{100}} =$$

$$= \frac{\sqrt{90}}{10} = \frac{\sqrt{9} \cdot \sqrt{10}}{10} = \frac{3\sqrt{10}}{10}$$

Step 5: Express the numerator in <u>standard radical form</u>. Use the multiplication property of square roots to factor the expression. Evaluate the square root of the perfect square factor.

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9} = \boxed{}$

$$= \sqrt{\frac{9}{10}} = \sqrt{\frac{90}{100}} = \frac{\sqrt{90}}{\sqrt{100}} =$$

$$= \frac{\sqrt{90}}{10} = \frac{\sqrt{9} \cdot \sqrt{10}}{10} = \frac{3\sqrt{10}}{10}$$

Step 5: Express the numerator in <u>standard radical form</u>. Use the multiplication property of square roots to factor the expression. Evaluate the square root of the perfect square factor.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9} = \dfrac{3\sqrt{10}}{10}$

$$= \sqrt{\dfrac{9}{10}} = \sqrt{\dfrac{90}{100}} = \dfrac{\sqrt{90}}{\sqrt{100}} =$$

$$= \dfrac{\sqrt{90}}{10} = \dfrac{\sqrt{9} \cdot \sqrt{10}}{10} = \dfrac{3\sqrt{10}}{10}$$

Step 5: Express the numerator in <u>standard radical form</u>. Use the multiplication property of square roots to factor the expression. Evaluate the square root of the perfect square factor.

Express each of the following square roots using standard radical form.

13.　$\sqrt{0.9} = \dfrac{3\sqrt{10}}{10}$

$$= \sqrt{\dfrac{9}{10}} = \sqrt{\dfrac{90}{100}} = \dfrac{\sqrt{90}}{\sqrt{100}} =$$

$$= \dfrac{\sqrt{90}}{10} = \dfrac{\sqrt{9} \cdot \sqrt{10}}{10} = \dfrac{3\sqrt{10}}{10}$$

Express each of the following square roots using standard radical form.

13. $\sqrt{0.9} = \boxed{\dfrac{3\sqrt{10}}{10}}$

$= \sqrt{\dfrac{9}{10}} = \sqrt{\dfrac{90}{100}} = \dfrac{\sqrt{90}}{\sqrt{100}} =$

$= \dfrac{\sqrt{90}}{10} = \dfrac{\sqrt{9} \cdot \sqrt{10}}{10} = \dfrac{3\sqrt{10}}{10} = \dfrac{3}{10}\sqrt{10}$

Express each of the following square roots using standard radical form.

13. $\quad \sqrt{0.9} = \boxed{\dfrac{3\sqrt{10}}{10}}$

$$= \sqrt{\frac{9}{10}} = \sqrt{\frac{90}{100}} = \frac{\sqrt{90}}{\sqrt{100}} =$$

$$= \frac{\sqrt{90}}{10} = \frac{\sqrt{9} \cdot \sqrt{10}}{10} = \frac{3\sqrt{10}}{10} = \frac{3}{10}\sqrt{10}$$

Either answer is correct.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

14. $\sqrt{1.25} =$ ☐

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

14. $\sqrt{1.25} = \boxed{}$

Step 1: Express the decimal as a fraction in lowest terms.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

14. $\sqrt{1.25} = \boxed{}$

$=$

Express each of the following square roots using standard radical form.

14. $\sqrt{1.25} = \boxed{}$

$= \sqrt{}$

Step 1: Express the decimal as a fraction in lowest terms.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

14. $\sqrt{1.25} = \boxed{}$

$$= \sqrt{\dfrac{5}{4}}$$

Step 1: Express the decimal as a fraction in lowest terms.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

14. $\sqrt{1.25} = \boxed{}$

$$= \sqrt{\frac{5}{4}}$$

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

14. $\sqrt{1.25} = \boxed{}$

$= \sqrt{\dfrac{5}{4}}$

Step 2: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Express each of the following square roots using standard radical form.

14. $\sqrt{1.25} = \boxed{}$

$= \sqrt{\dfrac{5}{4}}$

The denominator is already a perfect square.

Step 2: Express the fraction with an equivalent fraction whose denominator is a perfect square.

Express each of the following square roots using standard radical form.

14.　$\sqrt{1.25} = \boxed{}$

$$= \sqrt{\frac{5}{4}}$$

Express each of the following square roots using standard radical form.

14. $\sqrt{1.25} = \boxed{}$

$$= \sqrt{\dfrac{5}{4}}$$

Step 3: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Express each of the following square roots using standard radical form.

14. $\sqrt{1.25} = \boxed{}$

$$= \sqrt{\frac{5}{4}} =$$

Step 3: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

14. $\sqrt{1.25} = \boxed{}$

$$= \sqrt{\frac{5}{4}} = \frac{\sqrt{5}}{\underline{}}$$

Step 3: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Express each of the following square roots using standard radical form.

14. $\sqrt{1.25} = \boxed{}$

$$= \sqrt{\frac{5}{4}} = \frac{\sqrt{5}}{\sqrt{4}}$$

Step 3: Apply the <u>division property of square roots</u> to express the problem as a quotient of square roots.

Express each of the following square roots using standard radical form.

14. $\sqrt{1.25} = \boxed{}$

$$= \sqrt{\frac{5}{4}} = \frac{\sqrt{5}}{\sqrt{4}}$$

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

14. $\sqrt{1.25} = \boxed{}$

$$= \sqrt{\frac{5}{4}} = \frac{\sqrt{5}}{\sqrt{4}}$$

Step 4: Evaluate the square root of the denominator.

Express each of the following square roots using standard radical form.

14. $\sqrt{1.25} = \boxed{}$

$$= \sqrt{\frac{5}{4}} = \frac{\sqrt{5}}{\sqrt{4}} =$$

Step 4: Evaluate the square root of the denominator.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

14. $\sqrt{1.25} = \boxed{}$

$$= \sqrt{\frac{5}{4}} = \frac{\sqrt{5}}{\sqrt{4}} = \frac{\sqrt{5}}{}$$

Step 4: Evaluate the square root of the denominator.

Express each of the following square roots using standard radical form.

14. $\sqrt{1.25} = \boxed{}$

$$= \sqrt{\frac{5}{4}} = \frac{\sqrt{5}}{\sqrt{4}} = \frac{\sqrt{5}}{2}$$

Step 4: Evaluate the square root of the denominator.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

14. $\sqrt{1.25} = \boxed{}$

$$= \sqrt{\frac{5}{4}} = \frac{\sqrt{5}}{\sqrt{4}} = \frac{\sqrt{5}}{2}$$

Express each of the following square roots using standard radical form.

14. $\sqrt{1.25} = \boxed{}$

$$= \sqrt{\frac{5}{4}} = \frac{\sqrt{5}}{\sqrt{4}} = \frac{\sqrt{5}}{2}$$

Step 5: Express the numerator in <u>standard radical form</u>.

Algebra I   Class Worksheet   #2   Unit 13

Express each of the following square roots using standard radical form.

14. $\sqrt{1.25} = \boxed{}$

$$= \sqrt{\dfrac{5}{4}} = \dfrac{\sqrt{5}}{\sqrt{4}} = \dfrac{\sqrt{5}}{2}$$

The numerator is already in <u>standard radical form</u>.

Step 5: Express the numerator in <u>standard radical form</u>.

Express each of the following square roots using standard radical form.

14. $\sqrt{1.25} = \boxed{\dfrac{\sqrt{5}}{2}}$

$$= \sqrt{\dfrac{5}{4}} = \dfrac{\sqrt{5}}{\sqrt{4}} = \dfrac{\sqrt{5}}{2}$$

The numerator is already in <u>standard radical form</u>.

Step 5: Express the numerator in <u>standard radical form</u>.

Algebra I Class Worksheet #2 Unit 13

Express each of the following square roots using standard radical form.

14. $\sqrt{1.25} = \dfrac{\sqrt{5}}{2}$

$$= \sqrt{\dfrac{5}{4}} = \dfrac{\sqrt{5}}{\sqrt{4}} = \dfrac{\sqrt{5}}{2}$$

Express each of the following square roots using standard radical form.

14. $\sqrt{1.25} = \dfrac{\sqrt{5}}{2}$

$= \sqrt{\dfrac{5}{4}} = \dfrac{\sqrt{5}}{\sqrt{4}} = \dfrac{\sqrt{5}}{2} = \dfrac{1}{2}\sqrt{5}$

Express each of the following square roots using standard radical form.

14. $\sqrt{1.25} = \dfrac{\sqrt{5}}{2}$

$$= \sqrt{\dfrac{5}{4}} = \dfrac{\sqrt{5}}{\sqrt{4}} = \dfrac{\sqrt{5}}{2} = \dfrac{1}{2}\sqrt{5}$$

Either answer is correct.

Express each of the following square roots using standard radical form.

14. $\sqrt{1.25} = \dfrac{\sqrt{5}}{2}$

$$= \sqrt{\dfrac{5}{4}} = \dfrac{\sqrt{5}}{\ } = \dfrac{\sqrt{5}}{\ } = \dfrac{1}{\ }\sqrt{5}$$

Good luck on your homework !!

Either answer is correct.