Unit 2 Review

April.15th, 2016

Write the decimal equivalent of each:

$$\frac{1}{8} = 0.125$$
 $\frac{1}{5}$
 $\frac{5}{8}$
 $= 0.625$

Write the fractional equivalent of each.

$$0.5$$
 6) 0.375 7) 0.4 $-\frac{1}{2}$ $\frac{3}{8}$ $\frac{-4}{9}$

$$8)0,\overline{24}$$
 $=\frac{24}{99}=\frac{8}{33}$

2-2 Write the following percentages as both a decimal and a fraction.

9)
$$150\%$$
= 1.5
= $1\frac{1}{2}$
= $\frac{3}{2}$

$$\begin{array}{c}
11) 33 \frac{1}{3} \\
= 33, \overline{3} \\
= 0, 333 \\
= 0, \overline{3}
\end{array}$$

$$\begin{array}{c} 12)287.52 \\ = 2.875 \\ \end{array}$$

$$= 2\frac{7}{8}$$

$$= 23$$

2-3 Identify as rational or irrational. If rational, write as fraction.

13)
$$0.151515...$$

rat. = 0.15

$$= 15$$
 99
 33

$$|2|$$
) $\sqrt{0.0121}$
 $=$ $\frac{|2|}{10000}$
 $=$ $\frac{|1|}{100}$

$$15) \sqrt{\frac{1}{3}}$$
= $\frac{2}{\sqrt{3}}$ (irr)

2-4 16) Find the square root of 2304 wing the prime factoring technique. $\frac{2304 = 2 \cdot 3}{12304 = 12^{8.3^{2}} = 2^{4.3} = 16.3 = 48}$ TTd or 2ttr Do Praitie 2