

Warm-Up:

1)

$$\begin{array}{r}
 36.795 \\
 2 \overline{) 73.59} \\
 \underline{-6} \\
 1359 \\
 \underline{-12} \\
 159 \\
 \underline{-14} \\
 19 \\
 \underline{-18} \\
 10
 \end{array}$$

- 2) Mr Hank buys 12 gallons of paint for \$305.46, suppose he bought just one gallon of paint, What would that one item cost?

$$\begin{array}{r}
 25.455 \\
 12 \overline{) 305.46}
 \end{array}
 \rightarrow
 \begin{array}{r}
 \$25.46 \\
 \times \\
 \hline
 15092 \\
 25460 \\
 \hline
 305.92
 \end{array}$$

HW

1) 0.005

2) 0.0012

3) 0.011

20) 0.0036

27) 0.0063

28) 0.0036

31) 0.0005

40) 0.0032

Dividing Decimals by Decimals

$$\begin{array}{r}
 \text{quotient} \rightarrow 5 \\
 \text{divisor} \rightarrow 3 \overline{) 16} \\
 \text{dividend} \nearrow 15 \\
 \text{remainder} \rightarrow 1
 \end{array}$$

Step 1- Count the # of decimal places in the divisor and move it to the right (creating a whole #)

Step 2- Move the decimal in dividend the same # of places

Step 3- Place decimal above in quotient and divide like normal

Ex 4 Dividing Decimals By Decimals

a) $0.003 \overline{) 27.6900}$

3 spots

$$\begin{array}{r}
 \times 9230. \\
 3 \overline{) 27690.} \\
 \underline{-27} \\
 06
 \end{array}$$

9230

b) $5 \div 4.2$ Round to hundredth

$$\begin{array}{r}
 \times 1.190 \\
 4.2 \overline{) 5.00000} \\
 \underline{-42} \\
 80 \\
 \underline{-84} \\
 380 \\
 \underline{-378} \\
 20
 \end{array}$$

301

$$\begin{array}{r}
 38 \\
 \times 4 \\
 \hline
 152 \\
 + 152 \\
 \hline
 378
 \end{array}$$

1.19

Ex 5 Estimating Before Dividing

a) 580.44 divide 2.8

Est

$$600 \div 3$$

$$\begin{array}{r} 200 \\ 3 \overline{)600} \end{array}$$

Exact

$$\begin{array}{r} \times 207.3 \\ 2.8 \overline{)580.44} \\ \underline{-560} \\ 204 \\ \underline{-196} \\ 84 \\ \underline{-84} \\ 0 \end{array}$$

$$\begin{array}{r} 207.3 \\ \times 2.8 \\ \hline 190 \\ 1658 \\ \hline 580.44 \end{array}$$

Ex 6 Order of Operations

a) $2.5 + 6.3^2 + 9.62$ b) $1.82 + (6.7 - 5.2)(5.8)$ c) $3.7^2 - 1.8 \div 5(1.5)$