

Name _____

Math Homework #1

Mrs. Singh

Week of 9/02-9/05, 2008

Due Friday

Show All work for credit!! Use your multiplication chart if you need to, but NOT a calculator, unless you want to check for accuracy afterwards.

Long Division: (do not use remainders, solve with decimals if necessary)

1) $9\overline{)136}$

2) $7\overline{)246}$

Challenge

3) $12\overline{)2486}$

Super duper challenge!

4) $14\overline{)2952}$

Name _____

Prime Factorization. Work out the prime factors of these numbers. The first prime numbers are **2,3,5,7,11,13,17,19 and 23.**) Use exponents if necessary. .

Use your multiplication chart if you need to!!

56
^

84
^

Examples

Long Division:

$$\begin{array}{r}
 42.33 \\
 6 \overline{)254} \\
 \underline{24} \\
 14 \\
 \underline{-12} \\
 20 \quad \leftarrow \text{add a zero} \\
 \underline{-18}
 \end{array}$$

20 ← add a zero (you can see that the 3 will keep repeating, so you can draw a line above the threes in your answer to show this).

Prime Factorization.

$$\begin{array}{c}
 100 \\
 \wedge \\
 10 \times 10 \\
 \wedge \quad \wedge \\
 2 \times 5 \quad 2 \times 5
 \end{array}$$

$$2 \times 2 \times 5 \times 5 = 100 \text{ or:}$$

$$2^2 \times 5^2 = 100$$