Sept 25

Warm-up

1) Find all the prime factors for 96 (factor tree)

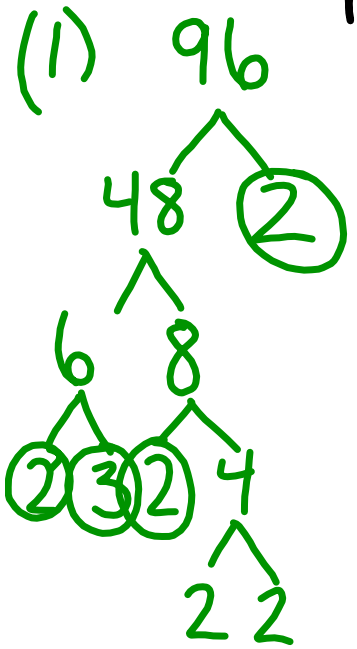
2) List the first 10 multiples of 6

6, 12, 18, 24, 30, 36, 42, 48, 54, 60

3) Convert the following fractions to decimals & identify them as terminating or repeating:

(a) $\frac{2}{3}$ = $0.\overline{6}$ = 0.666666.... repeating

(b) $\frac{5}{12}$ = 0.41666.... repeating



2, 3

Let's review!!!!!

1) What are multiples??

The # you get when multiplying 2 #'s together

2) What are factors???

The #'s that go into a given #

3) What are prime numbers???

A # that only has 2 factors!

4) What operation do we use when converting a fraction to a decimal???

Division! ☺

1. What are the first 10 multiples of 3?

3, 6, 9, 12, 15, 18, 21, 24, 27, 30

2. Can you list the first 10 multiples of 7?

7, 14, 21, 28, 35, 42, 49, 56, 63, 70

3. What are the first 10 multiples of 12?

12, 24, 36, 48, 60, 72, 84, 96, 108, 120

4. Please provide the first 10 multiples of 15.

15, 30, 45, 60, 75, 90, 105, 120, 135, 150

5. What are the first 10 multiples of 18?

18, 36, 54, 72, 90, 108, 126, 144, 162, 180

1. What are the factors of 24?

1 × 24 4×6 1, 2, 3, 4, 6, 8, 12, 24
2 × 12
3 × 8

2. Can you list all the factors of 36?

1 × 36 4 × 9 1, 2, 3, 4, 6, 9, 12, 18, 36
2 × 18 6 × 6
3 × 12

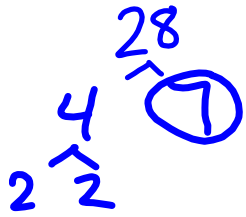
3. Please provide the factors of 81.

1 × 81 9 × 9 1, 9, 81, 3, 27
3 × 27

4. What are the factors of 100?

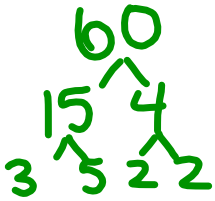
1 × 100 1, 2, 4, 5, 6, 10, 20, 25, 50, 100
2 × 50
4 × 25
5 × 20
10 × 10

What are the prime factors of 28?



2, 7

Can you list the prime factors of 60?



2, 3, 5

What are the prime factors of 100?

Answer the following

Write 3,500 in expanded form. 3000 + 500

Write 25,600 in written form.
Twenty five thousand six hundred

Write 4 000 000 + 500 000 + 20 000 + 1000 + 20 in standard form. 4 521 020

Write 98,765 in expanded form.

Write 1,000,000 in written form.

Write the decimal 0.75 in written form.

Zero and Seventy five hundredths

Write the decimal 3.14 in written form. three and fourteen hundredths

Write the decimal 12.506 in written form.

twelve and five hundred six thousandths

~~Write the decimal 0.0032 in written~~ form.

1. What is the decimal equivalent of $\frac{3}{4}$?
2. Can you convert $\frac{5}{8}$ into a decimal?
3. What is the decimal representation of $\frac{2}{5}$?
4. How do you express $\frac{7}{10}$ as a decimal?
5. What is the decimal form of $\frac{1}{3}$?

(1) $\frac{3}{4} = 0.75$ terminating

(2) $\frac{5}{8} = 0.625$ terminating

(3) $\frac{2}{5} = 0.4$ terminating

(4) $\frac{7}{10} = 0.7$ terminating

(5) $\frac{1}{3} = 0.\overline{3}33\ldots$ repeating

TEST TOMORROW

HOMEWORK:

Practice Test!!!!! This will REALLY help tomorrow :)