WARM UP

- Turn to page 47 and answer questions 24 and 25.

MATH COURSE I

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Divide Decimals

August 27, 2012

VOCABULARY (REVIEW WORDS)

- **Terminating decimal:** a decimal number that has digits that do not go on forever

- **Recurring decimal:** a repeating decimal

DIVIDE

- What to do when the quotient is never ending...

Step 1: Set the problem up as long division.

Step 2: Divide **(add zeros after the decimal place if necessary)**

Step 3: Place the decimal point in the quotient above the decimal point in the dividend.

Step 4:

1) If the same number keeps repeating, write it once with a line over top of it.

2) If its more than one number that repeat in a pattern, write the pattern once with a line over top of it.

Example: 8 ÷ 3 =

EXAMPLE

- **2 ÷ 3 = 0.66666666…**

                              –
Answer in recurring decimal form: 0.6

Answer to 3 decimal places: 0.667 (round last digit)

Answer to 2 decimal places : 0.67

Answer to 1 decimal places : 0.7

Great website with more examples

MORE EXAMPLES

- 1) 1 ÷ 11 =
- 2) 1 ÷ 6 =
- 3) 1 ÷ 21 =
- 4) 2 ÷ 9 =