

BE-1A FRIDAY 8-10-07

- ① Have signed "intro. letters" ready to hand in plus "CONTACT form"
- ② Convert the following fractions to decimals by long division:
 - a. $\frac{1}{2}$
 - b. $\frac{1}{3}$
 - c. $\frac{2}{5}$

EX) Convert $\frac{2}{5}$ to a decimal
by long division

① "MOON THE fraction" $\Rightarrow$ bottom
OUTSIDE OUTSIDE

$$5 \overline{) 2}$$

② ADD 2 zeros AND 2 decimals

$$5 \overline{) 2.00}$$

③ ignore decimals, does 5 fit into 2? NO - so put a 0 above it.
If it does fit, write down how many times, then multiply, subtract, bring down... rinse and repeat!

$$\begin{array}{r} 0.40 \\ 5 \overline{) 2.00} \\ \underline{-20} \\ 00 \end{array} = \boxed{0.4}$$

All fractions
converted to decimals

- terminating decimal $\Rightarrow$ ENDS ex) $.5$
 $.821$
 $.555$

- Repeating decimal $\Rightarrow$ repeats a pattern to infinity

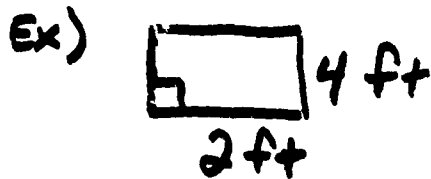
ex) $.\overline{3} = .3333\dots$

$.\overline{58} = .585858\dots$


Ellipsis

How to show your work

- Circle Problem Number
- Write out the original problem, double-check that you got it right.
- * Show your work
- Box your answer
- Leave space between problems.
A line under each problem may help. Use "white space"
- All work in pencil, loose-leaf
- * Include units if they apply



$$\boxed{\text{Area} = 8 \text{ ft}^2}$$



$$\boxed{\text{Area} = 8 \text{ unit}^2}$$

-
- Show pride in your work.

EXAMPLE

How to show your work

HW: Pg. 15 # 56-58, 64, 70

Maintain Your Skills

Mixed Review Write an algebraic expression for each verbal expression. (Lesson 1-1)

51. the product of the third power of a and the fourth power of b
52. six less than three times the square of y
53. the sum of a and b increased by the quotient of b and a
54. four times the sum of r and s increased by twice the difference of r and s
55. triple the difference of 55 and the cube of z

Evaluate each expression. (Lesson 1-1)

56. 2^4 57. 12^4 58. 8^2 59. 4^4

Write a verbal expression for each algebraic expression. (Lesson 1-1)

60. $5n + \frac{n}{2}$ 61. $q^2 - 12$ 62. $\frac{(x+3)}{(x-2)^2}$ 63. $\frac{x^3}{a}$

Getting Ready for the Next Lesson **PREREQUISITE SKILL** Find the value of each expression.
(To review operations with decimals and fractions, see pages 798–801.)

64. $0.5 - 0.0075$ 65. $5.6 + 1.612$ 66. $14,9068 \div 5.2$ 67. $2,366,425$
68. $4\frac{1}{8} - 1\frac{1}{2}$ 69. $\frac{3}{5} + 2\frac{5}{7}$ 70. $\frac{5}{6} \cdot \frac{4}{5}$ 71. $8 \div \frac{2}{9}$

JOE GOODSTUDENT
8-9-07 Pr. 1
Pg. 15 # 56-58,
64, 70

$$(56) \quad 2^4 = 2 \cdot 2 \cdot 2 \cdot 2$$
$$\quad \quad \quad \underbrace{\quad}_4 \cdot \underbrace{\quad}_4 = \boxed{16}$$

$$(57) \quad 12' = \boxed{12}$$

$$(58) \quad 8^2 = 8 \cdot 8 = \boxed{64}$$

$$(64) \quad \begin{array}{r} 0.5 - 0.0075 \\ 0.5\overset{4}{\cancel{0}}\overset{9}{\cancel{0}}\overset{1}{\cancel{0}} \\ - 0.0075 \\ \hline \boxed{0.4925} \end{array}$$

$$(70) \quad \frac{\overset{1}{\cancel{5}}}{6} \cdot \frac{4}{\underset{1}{\cancel{5}}} = \frac{4}{6} = \boxed{\frac{2}{3}}$$

Homework

① Convert to a decimal by long division. Show work.
No work = No credit!

① $\frac{1}{5}$ ② $\frac{2}{3}$ ③ $\frac{5}{8}$

④ $\frac{3}{4}$ ⑤ $\frac{1}{7}$ ⑥ $\frac{2}{9}$

⑦ $\frac{5}{9}$

⑧ • MATH Likes/Dislikes

• MATH CLASS Likes/Dislikes
(separate paper please)