

BE-1A FRIDAY 8-14-09

- ① TAKE OUT COMPLETED "INTRO letters"
AND "CONTACT FORMS"
 - 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



Tip: Simplify before working: ex) $\frac{50}{100} = 2\overline{1.00}$ WHY?

How To Show Your Work

- CIRCLE Problem Number
- WRITE OUT THE ORIGINAL problem.
- LOOK double-check THAT you GOT IT Right.

* Show your work

- BOX your ANSWER

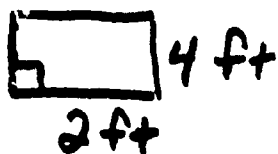
- LEAVE SPACE between problem.

A line UNDER EACH problem may help. Use "WHITE SPACE"

- All work in PENCIL, loose-leaf

* INCLUDE UNITS if THEY APPLY

Ex)



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



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

- SHOW PRIDE in your work.

Example: How TO SHOW WORK

Do Problems #56-58, 64, 70 on Pg. 15

• {Except: Pg. 15}

• EVALUATE EACH EXPRESSION.

56. 2^4 57. $12'$ 58. 8^2

•
•
•
Find the VALUE of EACH EXPRESSION.

64. $0.5 - 0.0075$

•
•
•
70. $\frac{5}{6} \cdot \frac{4}{5}$

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

$$(56) \quad 2^4 = 2 \cdot 2 \cdot 2 \cdot 2$$

$$\quad \quad \quad \underbrace{\quad} \cdot \underbrace{\quad} = \boxed{16}$$

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

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

$$(64) \quad 0.5 - 0.0075$$

$$\begin{array}{r} 0.5\overset{4}{0}\overset{9}{0}\overset{0}{0} \\ - 0.0075 \\ \hline \boxed{0.4925} \end{array}$$

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

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 $\frac{5}{9}$

② • MATH Likes/Dislikes
• MATH CLASS Likes/Dislikes

Please do Part B on a
separate sheet of loose leaf please.