

BE-1A MONDAY 8-13-07

- ① A fraction converted to a (changed) decimal will ALWAYS BE EITHER A _____ or _____ decimal.
- ② Convert to a decimal ("moon the fraction")
 - a. $\frac{4}{9}$
 - b. $\frac{7}{8}$
 - c. $\frac{1}{7}$
- ③ "Supply Check" - WHEN I COME AROUND I WANT TO SEE:
 - loose-leaf, wood pencils, pouch, sharpener.
- ④ Have homework out and ready for review
- ⑤ Contact Form + Signed Parent Letter READY TO HAND IN IF NOT DONE ALREADY

HW REVIEW:

→ REMEMBER
PLEASE

① $\frac{1}{5} = 0.2$

terminating

② $\frac{2}{3} = 0.\overline{6}$

repeating

③ $\frac{5}{8} = 0.625$

terminating

④ $\frac{3}{4} = 0.75$

terminating
"three quarters" = 75¢

⑤ $\frac{1}{7} = 0.\overline{142857}$

repeating

⑥ $\frac{2}{9} = 0.\overline{2}$

repeating

⑦ $\frac{5}{9} = 0.\overline{5}$

repeating

NOTICE
ANYTHING?

$$\frac{6}{9} = ? = 0.\overline{6} = \frac{2}{3}$$

💡 ALWAYS SIMPLIFY FRACTIONS BEFORE DOING
ANYTHING WITH them $\frac{6000}{9000} = ?$

HAND IN Homework
(just fraction problems)

OR

"REASON"

- full size sheet
- properly labeled

NAME DATE PERIOD ASSIGNMENT
I did not do my homework. because ...

Ex) $\frac{3468}{17}$

$$\begin{array}{r}
 0204. \\
 17 \overline{) 3468.000} \\
 \underline{34} \\
 068 \\
 \underline{68} \\
 0
 \end{array}$$

$$\boxed{\frac{3468}{17} = 204}$$

Ex) $\frac{6.3}{.9}$

$$\begin{array}{r}
 07. \\
 .9 \overline{) 6.300} \\
 \underline{63} \\
 00
 \end{array}$$

⚡

$$\boxed{\frac{6.3}{.9} = 7}$$

YOU WANT ALL OF
YOUR REAR END
OUTSIDE WHEN
YOU "MOON THE FRACTION"

4.
WHAT ARE FACTORS AND PRODUCTS?

$$3 \cdot 4 = 12$$

FACTORS product

$$2 \cdot 6 = 12$$

FACTORS product

$$1 \cdot 12 = 12$$

FACTORS product

MEMORY
AID

"factories make products"

* factors divide into the product evenly

$$\frac{12}{3} = ?$$

$$\frac{12}{4} = ?$$

$$\frac{12}{6} = ?$$

$$\frac{12}{2} = ?$$

$$\frac{12}{1} = ?$$

$$\frac{12}{12} = ?$$

To simplify a fraction, divide both the top AND the bottom by common factors UNTIL THERE ARE NO MORE common factors

EX) $\frac{6}{12} = \frac{3}{6} = \frac{1}{2}$

Diagram showing the simplification steps:
 $\frac{6}{12} \xrightarrow{\div 2} \frac{3}{6} \xrightarrow{\div 3} \frac{1}{2}$
 $\frac{6}{12} \xrightarrow{\div 2} \frac{3}{6} \xrightarrow{\div 3} \frac{1}{2}$

BEST IF YOU CAN SEE THE GCF WHICH IS THE "Greatest Common Factor"

Diagram showing the simplification using the Greatest Common Factor (GCF):
 $\frac{6}{12} \xrightarrow{\div 6} \frac{1}{2}$

* MUST ALWAYS $\div$ TOP AND BOTTOM BY THE SAME NUMBER (SO THE fraction is always the same number) $\frac{6}{12} = \frac{1}{2} = 0.5$

IN ALGEBRA, it is almost Always
best to simplify fractions before
doing anything to them.

* You must simplify your answers
or they are not correct.

Try simplifying:

① $\frac{3}{15}$

② $\frac{24}{48}$

③ $\frac{200}{500}$

④ $\frac{9}{81}$

Classwork/homework

WS Skill 32 Pg 63



Worksheet



page number
at bottom
of worksheet



Read instructions & tips
before starting.