$\qquad$

## Fractions = Decimals (page 1)

Don't forget:


Don't forget: A fraction is the same as a decimal.
They both mean: Part of a whole
Also, don't forget:
Terminating Decimal: A decimal that has a remainder of zero
STOP Example: $0.375,0.5,4.25$

Repeating Decimal: A decimal that never ends (goes on forever)
Example: 0.333333... $=0 . \overline{3}$

## A) How do I change a decimal into a fraction?

The Examples:

1) 0.12

$$
\frac{12}{100}=\frac{3}{25}
$$

2) 23.8

$$
23 \frac{8}{10}=23 \frac{4}{5}
$$

## Explanation:

1) Read the decimal out-loud to hear the fraction.
2) Simplfy (Reduce)
when necessary.
**Don't forget that the
decimal point means "AND."

Objective: To Change Fractions into Decimals

## Fractions = Decimals (page 2)

B) How do I change a fraction into a decimal?

## The Examples:

3) 

$$
\frac{3}{8}=0.375
$$

2) $7 \frac{2}{5}=7.4$
3) $\frac{6}{100}=0.06$
$3 \frac{31}{1,000}=3.031$
4) 
5) $\frac{3}{4}=\frac{75}{100}=0.75$
6) $\frac{4}{5}=\frac{8}{10}=0.8$

Explanation:
>>>Don't forget that a fraction bar is the same as a division bar.
*A) When in doub†, DIVIDE!!
>Top Dog in the house
>Keep dividing until the remainder is ZERO!!!!!!
*B) SOMETIMES, I can hear the decimal. Examples:

- Tenths
- Hundredths
- Thousandths
- Ten-Thousandths

*C) SOMETIMES, I can change the fraction to something I can hear.

Lesson 4-5 (p196-200)
Objective: To Change Decimals into $\qquad$ fractions $12116 / 09$

Fractions $=$ Decimals $($ page 1)
Don't forget:


$$
\frac{4}{10}=0 \cdot \frac{4}{\text { tenses }}
$$

Don't forget: fractions are the same as decimals.
They both mean: part of a whole.
Also, don't forget:
Terminating Decimal: "A decimal that ends because it has a remainder
STOP
Example: of " 0 ".

Repeating Decimal: A decimal that does not end. (goes on forever)
Example: $\qquad$ $0.3333333 \ldots=0 . \overline{3} \quad 0.62626262 \ldots=0 . \overline{62}$
A) How do I change a decimal into a fraction?

The Examples:

1) 0.12

$$
\frac{0.12}{100}
$$

2) 23.8

$$
23 \frac{8}{10}=23 \frac{4}{5} \quad \frac{21810}{4 / 5}
$$

Explanation:

1) Read the decimal out-loud to hear the fraction
2) Simplify (Reduce) when necessary.
**Don't forget that the decimal point means "AND."

* Don't forget the whole number out front.

Objective: To Change Fractions into $\qquad$ Decimals
Fractions = Decimals (page 2)
B) How do I change a fraction into a decimal?

The Examples:
3) $\frac{3}{8}=0.375$

3) $\frac{6}{100}=0.06$
4) $3 \frac{31}{1,000}=3.031$
5) $\frac{3 \times 25}{4 \times 25} \frac{75}{100}=.75$
6) $\frac{4 \times 2}{5 \times 2} \frac{8}{10}=.8$

Explanation:
$\gg D$ Don't forget that a fraction bar is the same as a $\qquad$ division bar.
**A) When in doubt, DIVIDE

- Top Dog in The Horse!!!
>Keep dividing until the remainder is
$\qquad$ zero !!!!!!
*B) SOMETIMES, I can hear the decimal. Examples:
- Tenths
- Hundredths
- Thousandths
- Ten-Thousandths
*C) SOMETIMES, I can change the fraction to something I can hear.
Lesson 4-5

Repeating Decimals (p 196-200)
(hever-unding)
Change to a repeating decimal:

$$
\begin{array}{r}
\text { ex: } \begin{array}{r}
\frac{2}{3} \boxed{6} \\
3 \lcm{2.066} \\
\frac{18}{-20} \\
\frac{18}{-20} \\
\frac{18}{2}
\end{array}
\end{array}
$$

* When in doubt, DIVIDE ${ }^{*}$

$$
e x: \frac{4}{11}=\sqrt{36}
$$



$$
\text { ex: } \begin{array}{r}
6 \frac{1}{12}=\begin{array}{l}
6.083 \\
12 \boxed{1.00333 \ldots} . .000 \\
\frac{0}{100} \\
\frac{96}{40} \\
-36 \\
\frac{-30}{40} \\
\frac{36}{40}
\end{array}
\end{array}
$$

