

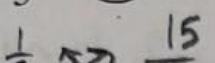
Homework

Directions: Compare the following fractions using $<$, $>$, or $=$.

$$1) \frac{6}{7} \quad \frac{10}{11}$$

 
cross product

$$2) \frac{1}{5} \quad 0.15$$

 
 $\frac{1}{5} \times \frac{15}{100}$
cross product

$$3) 2.5 \quad 2\frac{1}{2}$$


 $2\frac{5}{10} \quad 2\frac{1}{2}$

$$4) \frac{24}{15} \quad \frac{5}{8}$$

 
cross product

Directions: Order the following values from least to greatest.

5) $0.294, 0.87, 0.209, 0.\overline{22}$

0.870
 0.209
 0.222

0.209 , $0.\overline{22}$, 0.294 , 0.870

6) Given the expression: $6x^2 - 9x + 5$, state the

number of terms: 3

coefficient to the x term: -9

constant: 5

Name: KEY
Math 7H – Date: Sept 28

Glue on page 22

Directions: Convert each fraction to a decimal by using long division. Then check your answer with the calculator.

13) $\frac{2}{5}$

$$\begin{array}{r} 0.4 \\ \hline 5 \overline{)2.000} \\ -20 \\ \hline 0 \end{array}$$

0.4

calc

$$\boxed{2} \div \boxed{5}$$

0.4 ✓

14) $\frac{-8}{25}$

$$\begin{array}{r} -0.32 \\ \hline 25 \overline{)78.00} \\ -75 \\ \hline 50 \\ -50 \\ \hline 0 \end{array}$$

-0.32

calc

$$\boxed{-8} \div \boxed{25}$$

-0.32 ✓

15) $3\frac{1}{4} = \frac{13}{4}$

$$\begin{array}{r} 3.25 \\ \hline 4 \overline{)13.00} \\ -12 \\ \hline 10 \\ -8 \\ \hline 20 \\ -20 \\ \hline 0 \end{array}$$

3.25

calc

$$\boxed{13} \div \boxed{4}$$

3.25 ✓

Directions: Fill in the missing part of the table. Use the $A^{b/c}$ key to simplify fractions.

Decimal	Decimal in Words	Fraction
7) 0.28	28 hundredths	$\frac{28}{100} = \frac{7}{25}$
8) 3.2	3 and 2 tenths	$3\frac{2}{10} = 3\frac{1}{5}$
9) 0.62	62 hundredths	$\frac{62}{100} = \frac{31}{50}$

Directions: For questions 10 – 12, evaluate each algebraic expression where $a = 4$, $b = -5$, and $c = -2$.

10) $3a - 5b$

*don't forget to substitute

$$3(4) - 5(-5)$$

$$12 + 25$$

37

11) $a(b + c)$

$$4(-5 + (-2))$$

$$4(-5 - 2)$$

$$4(-7)$$

-28

12) $c - 9a + b$

$$-2 - 9(4) + (-5)$$

$$-2 - 36 - 5$$

$$-38 - 5$$

-43