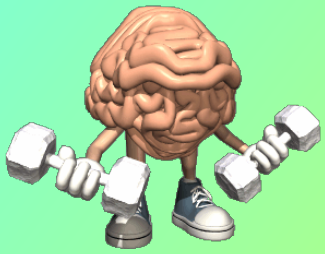
Curriculum Outcome

N1: Demonstrate an understanding of rational numbers by: comparing and ordering rational numbers; solving problems that involve arithmetic operations on rational numbers.

Student Friendly:
"Adding Fractions and Adding Decimals"

Sep 7-2:50 PM



Warm Up

1) Identify wether the number is rational or irrational

$\frac{2}{3}$	$1.\overline{66}$	1.234567.....	-2.25
Q	Q	$\bar{Q}$	Q

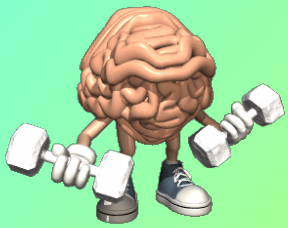
2)Express each fraction as a decimal

a) $\frac{4}{5}$ $= 0.8$

b) $\frac{9}{6}$ $= 1.5$

c) $\frac{3}{11}$ $= 0.\overline{27}$

Feb 2-7:51 PM



Warm Up

1) Identify wether the number is rational or non-rational

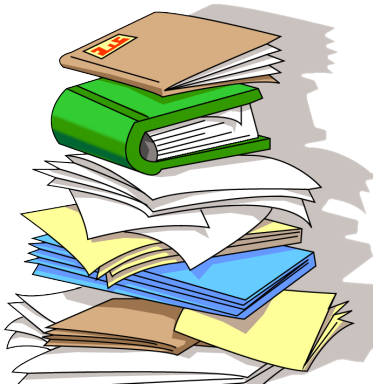
$\frac{2}{3}$	$1.\overline{66}$	1.234567.....	-2.25

2)Express each fraction as a decimal

a) $\frac{4}{5}$ b) $\frac{9}{6}$ c) $\frac{3}{11}$

Feb 2-7:51 PM

Questions from yesterday's homework



Homework

Page 101-103

Questions:

8ad, 10cd, 12af, 16bf, 17ac, 21, 24ac,

Oct 27-10:41 PM

3.2 Adding Rational Numbers

Write each mixed number as an improper fraction:

1) $3\frac{3}{5} = \frac{18}{5}$

2) $-5\frac{5}{6} = -\frac{35}{6}$

3) Put the fractions in order from least to greatest. Show all work

$-\frac{1}{2}, -\frac{4}{5}, -\frac{11}{15}, \frac{2}{32}, \frac{1}{20}$

-0.5 -0.8 -0.73 0.0625 0.05

$-\frac{4}{5} < -\frac{11}{15} < -\frac{1}{2} < \frac{1}{20} < \frac{2}{32}$

Oct 29-9:43 AM

Addition of Integers

Copy Down

If the signs are the **same**:

Keep the same sign, and ADD.

$(-4)+(-2)=-6$

If the signs are **different**:

Cover up the signs
Find the biggest number
Take the sign of the BIGGEST number,

$(-8)+(2)=-6$

Eight is bigger than 2, when you don't look at the negative sign.

Oct 29-9:46 AM

$-12 + 16 = +$

$8 + (-3) = +$

$2 + (-5) = -$

Sep 13-10:21 AM

We use the same rules with decimals:

1) $(-2.1) + (-1.7) =$ -3.8

2) $(-6.8) + 1.5 =$ -5.3

3) $(-7.1) + 12.3 =$ $+5.2$

If you use a calculator, make sure you know how to input negative numbers!

Oct 29-10:05 AM

Copy Down

Adding Fractions

When adding fractions you need a COMMON DENOMINATOR:

1) $\frac{-5}{8} + \frac{6}{8}$

$= \frac{1}{8}$

2) $\frac{-8}{7} + \frac{-4}{7}$

$= \frac{-12}{7}$

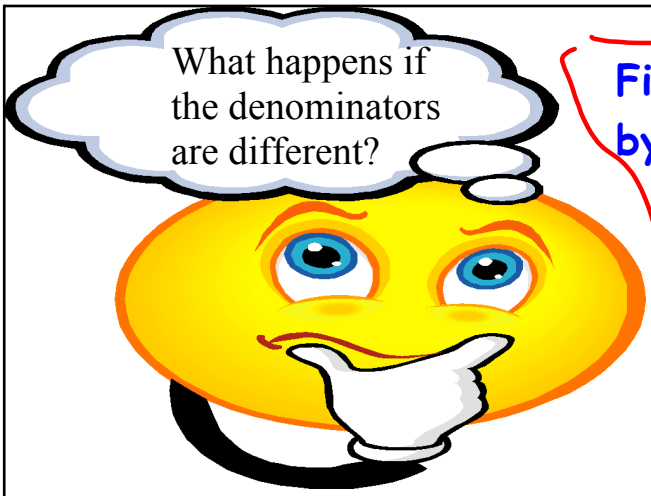
Oct 29-10:22 AM

$\frac{3}{5} + \frac{4}{-5}$

$\frac{3}{5} + \frac{-4}{5}$

$= \frac{-1}{5}$

Sep 17-8:50 AM



Find a Common Denominator by determining the LCM.

L owest

C ommon

M ultiple

2, 4, 6, 8, 10

3, 6, 9, 12

Oct 30-3:39 PM

$$\frac{3}{4} + \frac{-5}{6}$$

Find the LCM first!

4, 8, 12, 16

6, 12, 18

(x3) (x2)

$= \frac{9}{12} + \frac{-10}{12}$

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

Oct 30-3:46 PM

$\frac{3}{4} + \frac{2}{3}$

Sep 10-11:25 AM

Class/Homework

Page 111 - 112

Don't just give answers copy down the addition statement (Not directions)

5 (bc) Use Calculators no # line needed
6 (all) Use Calculators no # line needed
7 (ac) Leave in fractional form (no calculator)
8 (all) Leave in fractional form (no calculator)
9 (acf) Use Calculators

Nov 1-8:56 PM

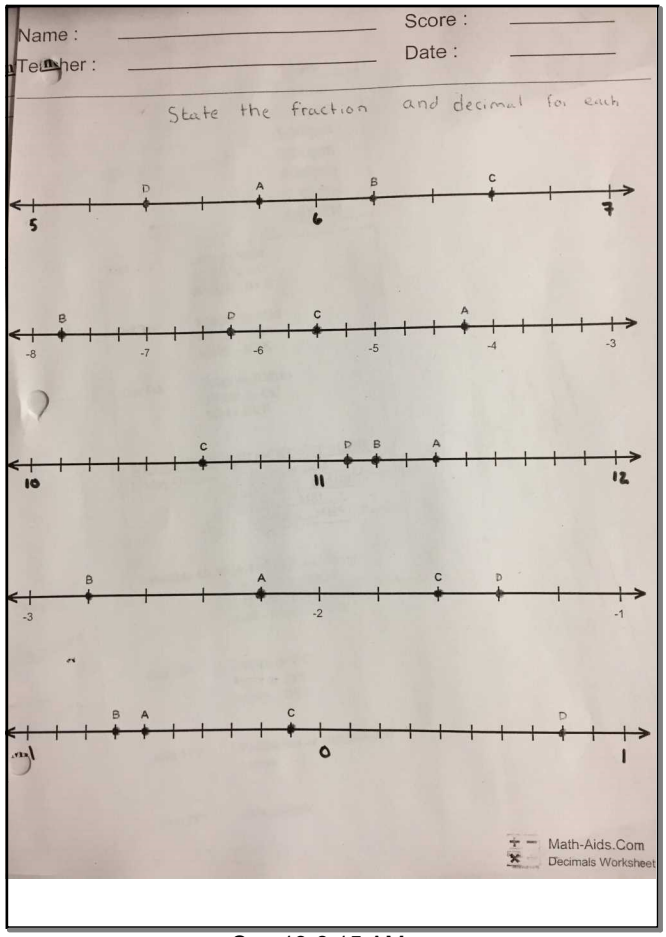
Class/Homework

Page 111 - 112

Don't just give answers copy down the addition statement (Not directions)

5 (bc) Use Calculators no # line needed
6 (all) Use Calculators no # line needed
7 (ac) Leave in fractional form (no calculator)
8 (all) Leave in fractional form (no calculator)
9 (acf) Use Calculators

Nov 1-8:56 PM


Name : _____ Score : _____
Teacher : _____ Date : _____

State the fraction and decimal for each

Sep 13-8:15 AM