Sept. 14, 2018
Periods 1,2,4,6

TEST changed to Tuesday

Warm Up

1) Carol has 18 red beads and 24 blue beads. She is making bracelets. Each bracelet is to have the same number of red beads and blue beads. What is the greatest number of bracelets she can make?

2) ERROR ANALYSIS: John's teacher asked him to rewrite the sum of 60 + 90 as the product of the GCF of the two numbers and a sum. John wrote 3(20+30). What mistake did John make? How should he have written the sum?

30(2+

Class Work - Reciprocals and Dividing Fractions

Homework- Reciprocal sheet

R
18

b
24

GCF = 6

6 bracelets
3 R, 4 B

42

18 + 24

$6(3+4)$

$6(7)$

42

$$60+90$$

$$30(2+3)$$

1) $2\frac{2}{3} = 2\frac{8}{12}$

$+\ 1\frac{11}{12} = 1\frac{11}{12}$

$3\frac{19}{12} = 4\frac{7}{12}$

2) $3\frac{2}{5} = 3\frac{16}{40}$

$+\ 2\frac{7}{8} = 2\frac{35}{40}$

$5\frac{51}{40} = 6\frac{11}{40}$

$7\frac{1}{2}$

$-\ 6\frac{11}{40}$

$1\frac{9}{40}$

3) $22\frac{3}{4} = 22\frac{15}{20} = 21\frac{35}{20}$

$-16\frac{8}{10} = 16\frac{16}{20} = -16\frac{16}{20}$

$5\frac{19}{20}$

5) $16\frac{1}{4} = 16\frac{15}{12} = 15\frac{15}{12}$

$-15\frac{1}{3} = 15\frac{4}{12}$

$\frac{11}{12}$

Periods 1,2,4,6

$2\frac{1}{4} = \frac{9}{4} \cdot \frac{4}{9} = 1$

Reciprocals= two numbers are reciprocals if their product equals one.
Product = answer to a mulitplication problem

$5 \cdot \square = 1$

$\frac{5}{1} \cdot \boxed{\frac{1}{5}} = \frac{5}{5} = 1$

reciprocals

Solve: What is the reciprocal of 4/5? $\frac{5}{4}$ $2\frac{1}{4}$

Periods 1,2,4,6

How is dividing fractions different from multiplying fractions and mixed numbers?

Steps to multiplying fractions-
1) Change mixed numbers into improper fractions.
2) S.B.M. diagonally and vertically but NEVER horizontally.
3) Multiply
4) Simplify again if able to.

Steps to dividing fractions-
1) Same as above
2) Keep, Change, Flip (KCF)
3) S.B.M.
4) Multiply

Simplify Before you Multiply

ex

$2\frac{2}{3} \div \frac{1}{7}$

$\frac{8}{3} \cdot \frac{7}{1}$

$\frac{56}{3} = 18\frac{2}{3}$

$\frac{56}{3}$ $18\frac{2}{3}$

Sept. 14, 2018
Period 5

Clear your desk except for a clean sheet of paper and a sharpened pencil.

TEST- Integers and Absolute Values

#12 Extra Credit > <