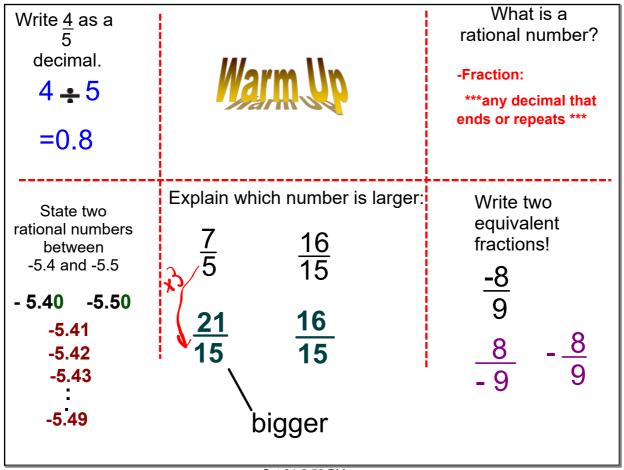
Curriculum Outcome

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



Oct 31-3:53 PM



3.2 Adding Rational Numbers

Oct 29-9:43 AM



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.

We use the same rules with decimals:



1)
$$(-2.1) + (-1.7) = -3.6$$

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

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

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

Oct 29-10:05 AM

Adding Fractions

When adding fractions you need a COMMON DENOMINATOR:

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

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

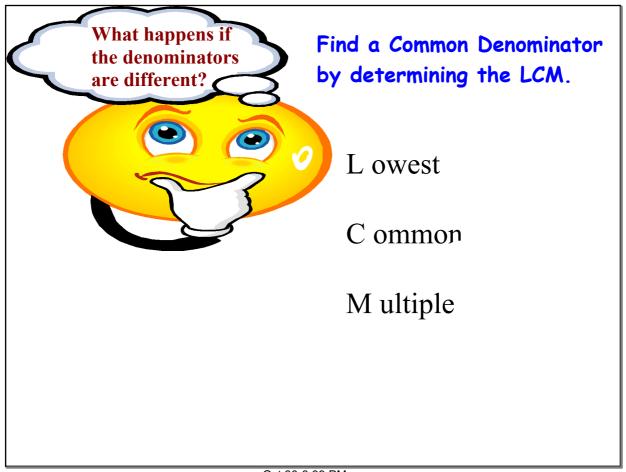
$$=\frac{1}{8}$$

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

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

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

Sep 17-8:50 AM

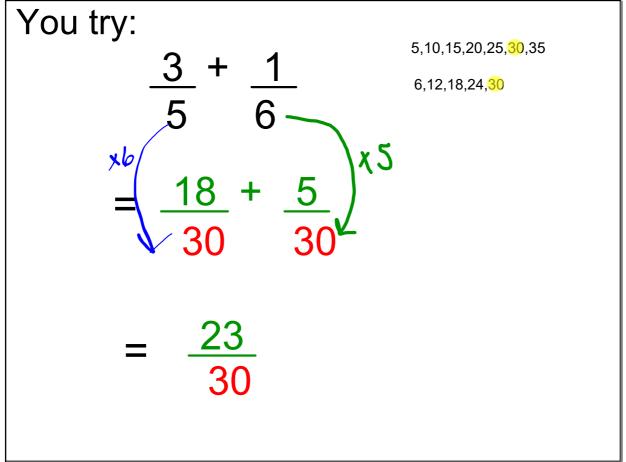


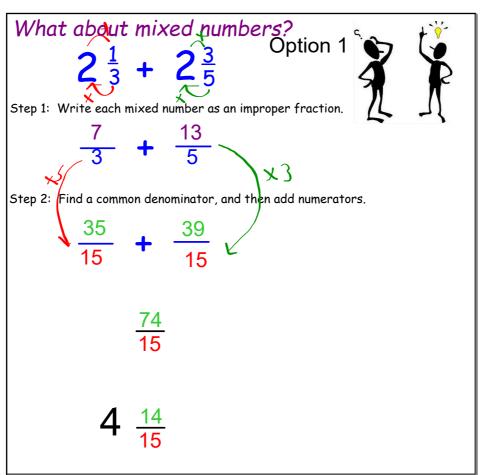
$$\frac{3}{4} + \frac{-5}{6}$$

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

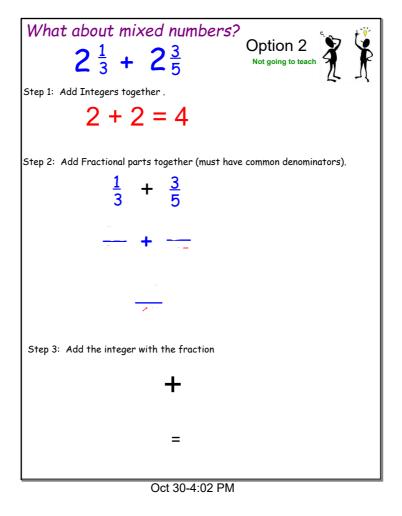
$$= \frac{-1}{12}$$
Find the LCM first!
$$4,8,12,16,6,6,12,18$$

Oct 30-3:46 PM





Oct 30-4:02 PM



You try!
1)
$$5\frac{7}{8} + (-3\frac{1}{2})$$

$$= \frac{47}{8} + \frac{-7}{2}$$

$$= \frac{47}{8} + \frac{28}{8}$$

$$= \frac{19}{8}$$

$$= 2\frac{3}{8}$$

Oct 30-4:28 PM

You try!
2)(-
$$\frac{12}{3}$$
) + (- $\frac{21}{4}$)
= $\frac{-5}{3}$ + $\frac{-9}{4}$
 $=\frac{-20}{12}$ + $\frac{-27}{12}$)
= $\frac{-47}{12}$
= -3 $\frac{11}{12}$



NO Number lines

Must work with fractions when the question has all fractions



Now it is time for Home Learning

Nov 1-8:56 PM



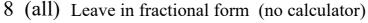
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Don't just give answers copy down the addition statement (Not directions)



Must show work when you see fractions

NO Number lines



9 (acf) Use Calculators

11(acegi) (Without calculator)

13, 16, 17(a, b, c), 18, 19(a, c), 20(ac)