**Do Now:** Write the mixed number as an improper fraction

1.) 2 1/3

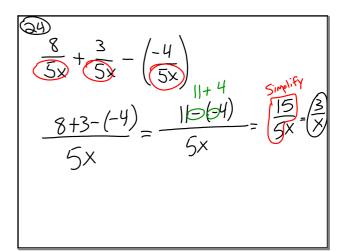


3.) 10 2/5

4.) -1 19/20



Dec 6-7:25 AM



Oct 5-8:00 AM

### 5.3 Adding and Subtracting Unlike Fractions

7.NS.1 7.NS.2 7.EE

- SWBAT add and subtract unlike fractions.
- SWBAT identify the numerator and the denominator, understanding the imporance of each.

Calculators: No

Dec 6-7:27 AM

Find the sum or difference.

a.) 
$$5/12 + 1/3$$

$$\frac{5}{12} + \frac{1 \cdot 4}{3 \cdot 4}$$

$$\frac{5}{12} + \frac{4}{12} = \frac{5+4}{12} = \frac{9}{12} = \frac{3}{4}$$

b.) 
$$-5/6 - 7/9$$

$$-\frac{5\cdot 3}{6\cdot 3} - \frac{7\cdot 3}{9\cdot 2}$$

$$-\frac{15}{18} - \frac{14}{18} = \frac{-15 + (-14)}{18} = \frac{-29}{18}$$

Dec 6-7:27 AM

Find the sum or difference.

a.) 
$$-3/8 + 1/2$$

$$-\frac{3}{8} + \frac{1}{2} = \frac{1}{8}$$

b.) 
$$-1/4 - (-2/3)$$
  $\frac{-1}{4} - \left(\frac{-2}{3}\right) = \frac{5}{12}$ 

Adding Mixed Numbers

-4 2/5 + (-2 6/11)

-4  $\frac{3}{5}$  +  $\left(-\frac{3}{2}, \frac{6}{11}\right)$ - $\frac{3}{5}$  +  $\left(-\frac{3}{2}, \frac{6}{11}\right)$ - $\frac{3}{5}$  +  $\left(-\frac{3}{2}, \frac{6}{11}\right)$ = $\frac{-\frac{3}{2}}{5}$  +  $\frac{-\frac{140}{55}}{55}$ = $\frac{-\frac{3}{2}}{55}$  +  $\frac{-\frac{3}{2}}{55}$ 

Dec 6-7:27 AM Dec 6-7:30 AM

5.3 PA.notebook October 05, 2015

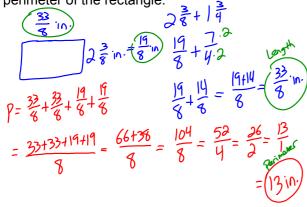
# Adding Mixed Numbers $3 \ 4/9 + 7 \ 7/12$ $3 \ 4/$

Dec 6-7:30 AM

Jaheim volunteered to work 7 1/2 hours at a weekend fundraiser. On Saturday, he worked for 2 2/3 hours. How many hours will he be working at the fundraiser on Sunday?

Dec 6-7:31 AM

The width of a rectangle is 2 3/8 inches. The rectangle is 1 3/4 inches longer than it is wide. Find the length of the rectangle and the perimeter of the rectangle.



Dec 6-7:32 AM

# Simplifying an expression

$$a/2 - a/6$$

$$3 \cdot \frac{\alpha}{2} - \frac{\alpha}{6} = \frac{3a \cdot \alpha}{6} - \frac{\alpha}{6} = \frac{3a \cdot \alpha}{6}$$

$$= \frac{2a}{6} = \frac{\alpha}{3}$$

Dec 6-7:45 AM

## Simplifying an expression

m/5 - 2m/3  
3. 
$$\frac{m}{3.5} - \frac{2m.5}{3.5} = \frac{3m}{15} - \frac{10m}{15} = \frac{3m-10m}{15}$$

$$= (-7m)$$

### Exit Pass 5.3

Explain how to add two fractions with different denominators.



Dec 6-7:45 AM Sep 26-7:26 AM

5.3 PA.notebook October 05, 2015

"Don't blame the sea if you cannot catch a fish."

Working individually or with a partner, complete the worksheet 5.3.

#2-30 Evens Only

#1-31 Odds Only

Sep 26-7:27 AM Oct 1-10:17 AM

### **Reflection of Today's Lesson**

### 5.3 Adding and Subtracting Unlike Fractions 7.NS.1

- SWBAT add and subtract unlike fractions.
  SWBAT understand numbers; understand ways of
- representing numbers; compute fluently.

# **Homework**

pg. 234 #12-50 Evens Only



Sep 26-7:24 AM