Do Now:

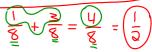
2)
$$5 - 16 = -1$$

3) $3a + (-7a) = -4a$

4)
$$15x - 5x = 10x$$

5.1 Fractions with Common Denominators

7.NS 7.EE



- SWBAT add and subtract fractions with common denominators.
- SWBAT understand numbers; compute fluently.
- Calculators: No

Adding and Subtracting Fractions

To add or subtract fractions:

- (1) Denominators must be the same -If not the same, find the LCD
- 2) Add or subtract the numerators

Find the sum or difference.

b.)
$$-\frac{16}{7} + \frac{12}{7}$$

$$-\frac{41}{7} + \frac{23}{7} = \frac{-41+23}{7} = \frac{-18}{7}$$

$$= -2\frac{4}{7}$$

Find the sum or difference.

a.)
$$\frac{-4}{7} + \frac{2}{7} = \frac{-2}{7}$$

b.)
$$-9\frac{1}{3} + 6\frac{2}{3} = (-\frac{8}{3}) \text{ or } (-\frac{3}{3})$$

 $(-\frac{9}{6} + 6) + \frac{3}{3} + \frac{3}{3} = -\frac{3}{3} + |-\frac{2}{3}|$

Find the sum or difference.

a.)
$$\frac{-a}{9} + \frac{7a}{9} = \frac{-1a + 7a}{9} = \frac{2a}{3}$$

b.)
$$\frac{6x}{11y} - \frac{10x}{11y} = \frac{6x - 10x}{11y} = \frac{-4x}{11y}$$

$$\frac{7 \times 0}{10 \text{ y} \cdot 9} = \frac{3 \times 0}{10 \text{ a} \cdot 9}$$

$$\frac{7 \times 0}{10 \text{ a} \cdot 9} = \frac{3 \times 9}{10 \text{ a} \cdot 9}$$

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Find the sum or difference.

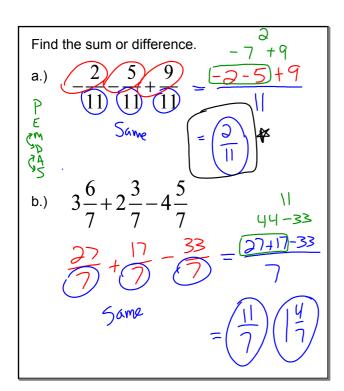
a.)
$$\frac{-2b}{5} + \frac{12b}{5} = 2b$$

$$\frac{7c}{12d} - \frac{10c}{12d} = \frac{7c - 10c}{12d}$$
b.)
$$\frac{12d}{12d} = \frac{7c - 10c}{12d}$$

$$\frac{-3c}{12d} = \frac{-1c}{4d} = \frac{-c}{4d}$$

$$\frac{-3c}{12d} = \frac{-1c}{4d} = \frac{-c}{4d}$$

$$\frac{-3c}{12d} = \frac{-1c}{4d} = \frac{-c}{4d}$$

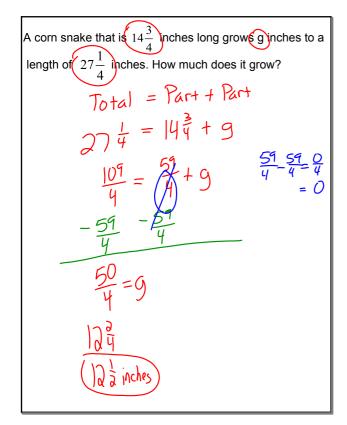


Find the sum or difference.

a.)
$$\frac{3}{4} + \frac{7}{4} + \frac{5}{4} = \frac{15}{4}$$

b.)
$$-\frac{15}{8} - \frac{7}{8} - \frac{3}{8} = \begin{pmatrix} -2.5 \\ 8 \end{pmatrix}$$

c.)
$$-2\frac{1}{3} - \frac{2}{3} + 3\frac{2}{3} = \begin{pmatrix} 2 \\ 3 \end{pmatrix}$$



Monday morning, the pile of leaves was $11\frac{1}{4}$ inches high. Tuesday morning, the pile was $7\frac{3}{4}$ inches high. By how many inches did the pile change?

Exit Pass 5.1

Describe and correct the error.

$$\frac{3}{4} + \frac{3}{4} = \frac{3+3}{4+4} = \frac{6}{8}$$

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

Working individually or with a partner, complete the workbook.

Workbook pg.



Reflection of Today's Lesson

5.1 Fractions with Common Denominators

7.NS 7.EE

- SWBAT add and subtract fractions with common denominators.
- SWBAT understand numbers; compute fluently.
- Calculators: No

<u>Homework</u>

pg. 222 #13-43 odds

