Lesson Objective: Students will be able to use the least common multiple to add and subtract fractions with unlike denominators.

Warm Up

$(7-7) \div ((6+3-2) \div 1)$

$(7-2 \times (1+2)) \times 5 \div 1$

$1^2 \times 4 \div 1 \times (10-8)$

$6-(9 \times 2-(1+6+7))$

Lesson Objective: Students will be able to use the least common multiple to add and subtract fractions with unlike denominators.

Warm Up Answers

$(7-7) \div ((6+3-2) \div 1)$
$= 0$

$(7-2 \times (1+2)) \times 5 \div 1$
$= 5$

$1^2 \times 4 \div 1 \times (10-8)$
$= 8$

$6 - (9 \times 2 - (1+6+7))$
$= 2$

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Homework Answers

1.6 Record and Practice Journal

Find the LCM of the numbers using lists of multiples.

1. 3, 8	2. 8, 14	3. 7, 21
24	56	21

4. 5, 11	5. 8, 20	6. 14, 20
55	40	140

Find the LCM of the numbers using prime factorizations.

7. 12, 36	8. 5, 12	9. 3, 17
36	60	51

10. 10, 12	11. 20, 30	12. 32, 40
60	60	160

13. A music store gives every 20th customer a $5 gift card. Every 50th customer gets a $10 gift card. Which customer will be the first to receive both types of gift cards?

100th customer

Lesson 1.6 Extension

October 13, 2015

Lesson Objective:

Students will be able to:

use the least common multiple to add and subtract fractions with unlike denominators.

Self-Evaluation Scale

Score	Description
4	I can teach other students how to use the least common multiple to add and subtract fractions with unlike denominators.
3	I can use the least common multiple to add and subtract fractions with unlike denominators.
2	I recognize, but still need help to use the least common multiple to add and subtract fractions with unlike denominators.
1	I do not know how to use the least common multiple to add and subtract fractions with unlike denominators.

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Least Common Denominator

LCD - the least common multiple of the denominators

Lesson Objective: Students will be able to use the least common multiple to add and subtract fractions with unlike denominators.

Find $\dfrac{5}{8} + \dfrac{1}{6}$.

$\dfrac{5}{8}$ $\begin{array}{c} \times 3 \\ \hline \times 3 \end{array}$ $\dfrac{15}{24}$

$+ \dfrac{1}{6}$ $\begin{array}{c} \times 4 \\ \times 4 \end{array}$ $\dfrac{4}{24}$
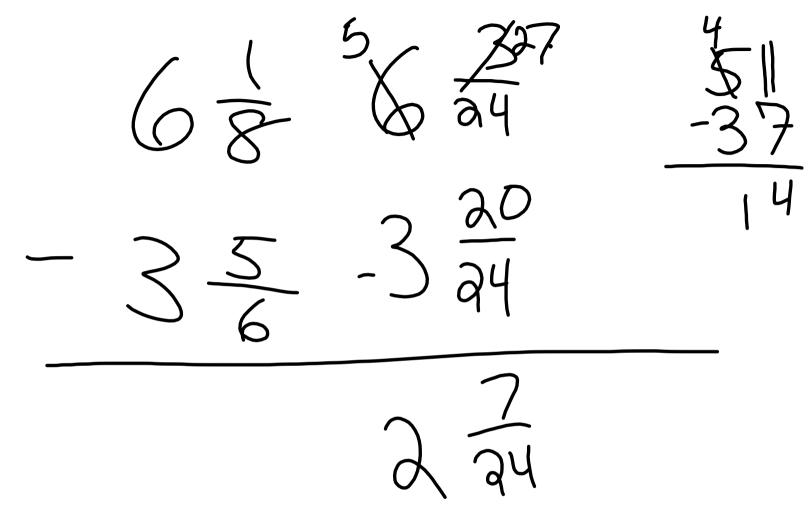
$\dfrac{19}{24}$

$2 \lfloor 8 \quad 6$

$4 \quad 3$

Lesson Objective: Students will be able to use the least common multiple to add and subtract fractions with unlike denominators.

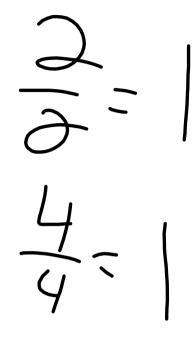Find $4\frac{3}{4} - 2\frac{3}{10}$.

$$4\frac{3}{4} \qquad 4\frac{15}{20}$$

$$-2\frac{3}{10} \qquad -2\frac{6}{20}$$

$$2\frac{9}{20}$$

$$6 \frac{1}{8}$$

$$\overset{5}{\cancel{6}} \frac{\cancel{27}}{24}$$

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

$$-3 \frac{20}{24}$$

$$2 \frac{7}{24}$$

$$\overset{4}{\cancel{5}} \overset{11}{\cancel{}}$$

$$-37$$

$$\overline{14}$$

$$\frac{2}{2} = 1$$

$$\frac{4}{4} = 1$$

$$\frac{1000000}{1000000} = 1$$

Lesson Objective: Students will be able to use the least common multiple to add and subtract fractions with unlike denominators.

Assignment

Complete problems 9 - 16 on page 43 in your Big Ideas text book.

Lesson 1.6 Extension

October 13, 2015

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use the least common multiple to add and subtract fractions with unlike denominators.

Self-Evaluation Scale

Score	Description
4	I can teach other students how to use the least common multiple to add and subtract fractions with unlike denominators.
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Homework

In your Big Ideas Record and Practice Journal complet pages 27 & 28.