October 13, 2014 Period 3 Lesson 1.6 Extension

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

Homework Answers

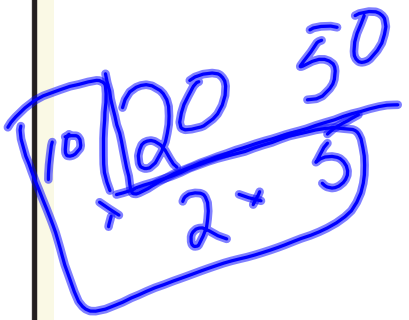
1.6 Record and Practice Journal

Find the LCM of the numbers using lists of multiples.

1. 3, 8
   24
2. 8, 14
   56
3. 7, 21
   21
4. 5, 11
   55
5. 8, 20
   40
6. 14, 20
   140

Find the LCM of the numbers using prime factorizations.

7. 12, 36
   36
8. 5, 12
   60
9. 3, 17
   51
10. 10, 12
    60
11. 20, 30
    60
12. 32, 40
    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



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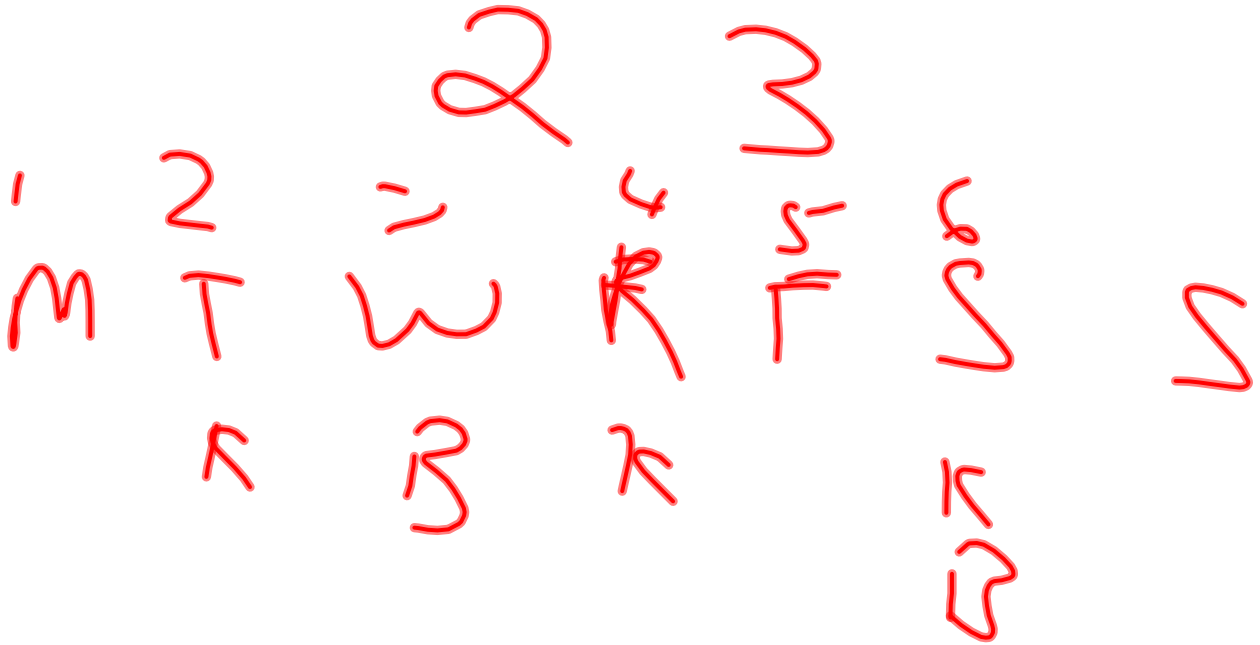

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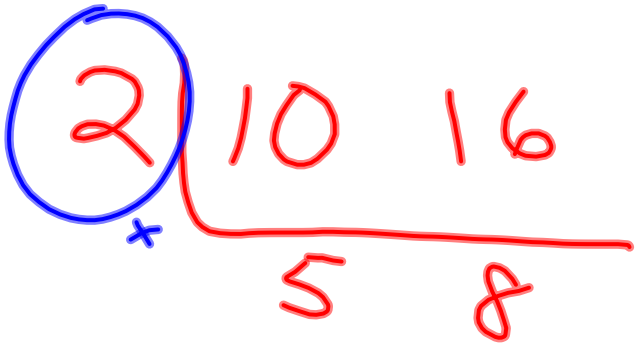
GCF = Euclid's ladder

Ex:



LCM = Euclid's Ladder

Ex:

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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.
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

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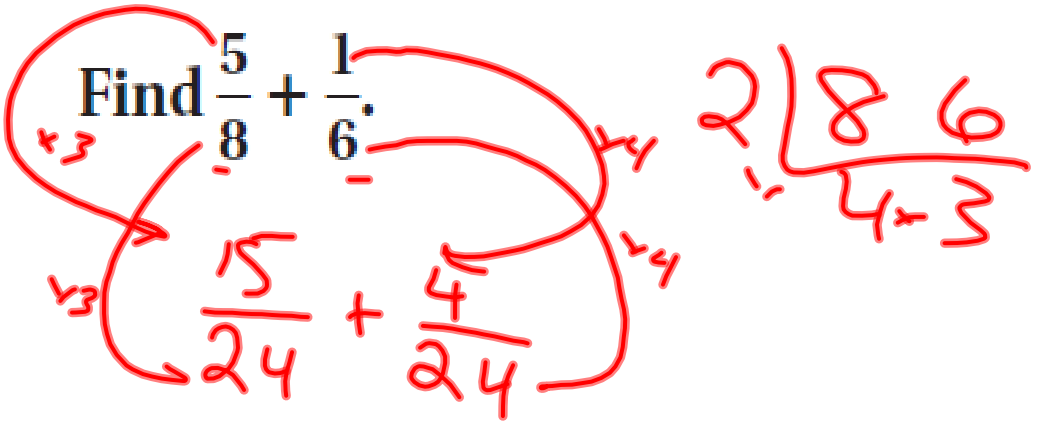

$$\frac{19}{24}$$

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$\frac{7}{9} + \frac{3}{4}$

9 | 4

$\frac{7}{9} \times 4 \quad \frac{28}{36}$

$\frac{3}{4} \times 9 \quad \frac{27}{36}$

$+$

$\frac{55}{36} = 1\frac{19}{36}$

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

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

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

$2\frac{9}{20}$

2 | 4 10

2 5

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Homework

No Homework

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