Lesson 5-1 Comparing and Ordering Fractions

Quick Review (5th and 6th Grade)

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Multiple

- Def: A multiple of a number is the product of that number and any nonzero whole number
- 4:
- 5:
- All these multiples are common multiples

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More Examples:

- List the first four multiple of 6 and 8.
- 6:
- 8:
- What was the smallest multiple?

3

LCM

- Least common multiple: (the smallest common multiple of any set of numbers)
- Find the LCM of 3 and 4
- 3:
- 4:
- The LCM of 3 and 4 is: _____

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Finding the LCM using Prime Factorization

- Write the Prime factorization of 12 and 40
- 12 40

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Finding the LCM using Prime Factorization continued

- Steps:
- 1.) Write the prime factorization
  - 12:
  - 14:
- 2.) use the greatest power of each factor and multiply

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LCM Examples (3)

- LCM of 6 and 16:
- LCM of 9 and 15:
- LCM of 12, 15 and 18:

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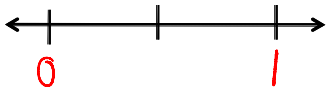
Comparing Fractions

- Can use a number line:
- Compare $\frac{1}{2}$ to $\frac{3}{10}$



8

Comparing fractions with different denominator

- 1.) find the LCD (Least Common Denomifnator) by finding the LCM of all the denominators involved
- 2.) Write equivalent fractions using the same denominator

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Using the LCD find fractions which you can easily compare

$\frac{3}{4} \square \frac{5}{6}$

- What two fractions did you compare?

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Order these fractions least to greatest

$\frac{1}{2}$, $\frac{3}{4}$, $\frac{2}{5}$

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In Class / Homework

- PB 5-1
- MOVE ON TO LESSON 5-2 because it's SO EASY!!!

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