Warm up:

1. List **ALL** factors of 54
2. Identify as Prime or Composite **and** prove:

   31, 51, 71, 92, 91
3. Which number is a common multiple of 4 and 7?

   32 56 21 16 48

Sep 6-7:35 AM

GCF/LCM Word Problems

Sep 7-9:00 AM

LCM Review

*Check work from yesterday

Another few for practice. Find the LCM

(1) 4, 6, 10

(2) 5, 6, 9

Sep 6-12:19 PM

How is this real life?

Nov 28-7:27 AM

When solving a problem in math, how do you recognize a ***least common multiple problem****?*
(What are the characteristics of an LCM problem?).

Let's look at a few. Then we will compare them to GCF word problems!

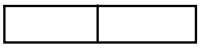
Nov 8-2:56 PM

Sample LCM problems

1. In the school kitchen during lunch, the timer for pizza buzzes every 14 minutes; the timer for hamburger buns buzzes every 6 minutes. The two timers just buzzed together. In how many minutes will they buzz together again?

Nov 17-2:40 PM

2. Two ships sail steadily between New York and London. One ship takes 12 days to make a round trip; the other takes 15 days. If they are both in New York today, in how many days will they both be in New York again?



Nov 17-2:39 PM

3. Two neon signs are turned on at the same time. One blinks every 4 seconds; the other blinks every 6 seconds. How many times **per minute** do they blink together?

Nov 17-2:43 PM

Practice LCM sheet - "Applications of LCM"

Now let's look at GFC now and think about the differences in the word problems.

Sep 6-12:22 PM

Mike is setting up fish tanks at the pet store. He has 6 angel fish, 12 tiger barbs, and 15 guppies. If he wants to have the same number of each kind of fish in every tank, what is the greatest number of tanks he can set up?

Nov 12-2:58 PM

Bonny has 24 wood beads and 30 glass beads. She wants each necklace she makes to have the same number of wood beads and the same number of glass beads. What is the greatest number of necklaces she can make if all the beads are used?

How many wood beads and glass beads will be on each necklace?

Nov 12-2:58 PM

Barbara is making candy bags for her birthday party. She has 24 lollipops, 12 candy bars, and 42 pieces of gum. She wants each bag to have the same number of each kind of candy. What is the greatest number of bags she can make if all the candy is used?

How many pieces of each kind of candy will be in each bag?

Nov 12-3:00 PM

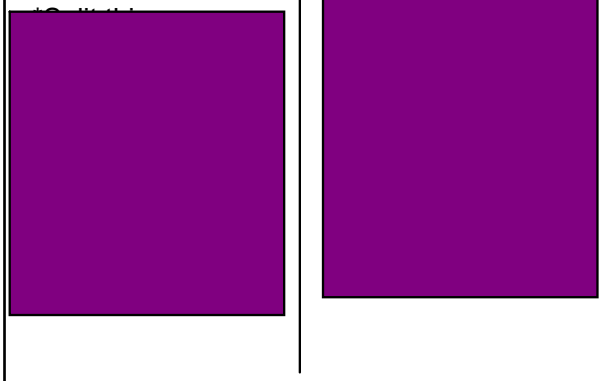
Word problem strategies

Sep 6-7:40 AM

Key words

GCF

LCM



Nov 18-12:15 PM

Mixed Problems -

1. Read each problem carefully to determine if it is a GCF or LCM Problem.

2. Look at your notes to determine who to solve the problem!

3. All answers have a label!!! ($, word, etc)

Sep 6-12:27 PM

Sep 7-9:27 AM

Attachments

gcf_and_lcm_word problem strategies.ppt

LCM performance task and intro.pdf