

Name _____

Practice

LCM, GCF Ladder Method

Math 6

Period _____

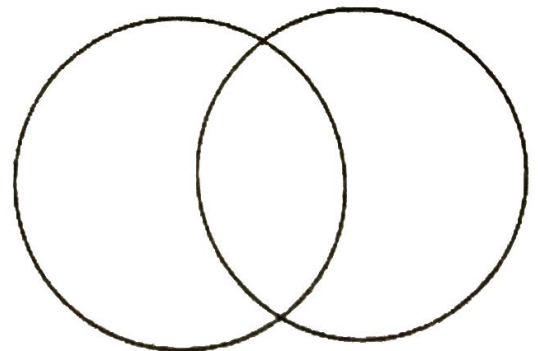
We have learned how to find the first number that two or more target numbers 'go into'. This is called the...

We have learned how to find the largest number that 'go into' two or more target numbers. This is called the...

Find the _____ and _____ of 24 and 36.

- I. We have learned how to use factor rainbows and multiple counting.

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- II. We have learned how to use prime factorization and Venn Diagrams.



Now, let's use the Ladder, or Stairs Method.

1. Write your target numbers side by side.
 2. Pull out common prime factors on the left
 3. Put their paired factors underneath.
 4. Repeat until there are no more common prime factors.
 5. The GCF is the product of your prime factors on the left. ↓
 6. The LCM is the product of your prime factors on the left and remaining factors underneath. ("The L")
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Let's try it again with 30 and 50.

Remember: If two numbers are relatively prime, then the LCM is their product and the GCF is 1.