Greatest Common Factor Notes

What does each word mean?

Common: Jest State of State of

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Come up with a math definition that incorporates all three words

Stratest Common Factor: The Comm

Ex) Find the GCF of 12 and 32
Use a factor tree and Venn Diagram

Ex) Find the GCF of 6 and 27
Use an upside down birthday cake

List the factors of 9:

Ex) Find the GCF of 5 and 21 (choose your method) COMM

What happens when they don't have any numbers in common?

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Ex) Jared has 12 jars of grape jam, 16 jars of strawberry jam and 24 jars of raspberry jam. He wants to place the jam into the greatest possible number of boxes so that each box has the same number of each kind of jam. How many boxes does he need? (Draw a picture)

How many of each kind of jam will go in each box?

GRAPE

STRAWBERRY

GRAPE

STRAWBERRY

How many jars are in each box?

Ex) There are 18 girls and 24 boys in Mrs. Andrew's gym class. To play a certain game, the students must form teams. Each team member must have the same number of boys and girls. What is the greatest number of teams Mrs. Andrew's can make if every student is on a team? (draw a picture)

How many students are on each team?

12 8 1 (G) (G) (G)

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