Greatest Common Factor and Least Common Multiple Guided Notes

Example 1: Find the LCM of 15, 18, and 20.

You can find the LCM using prime factorization.

Example 2:

Mom is creating snack bags for a trip. She has 6 bags of chips and 10 packs of crackers. She wants each snack bag to have the same amount of each. What is the greatest number of snack bags mom can make with no snacks left over?

Example 3

Kim is packing equal numbers of grapes and pretzels for snacks. Kim bags the grapes in groups of 18 and the pretzels in groups of 9. What is the smallest number of grapes and pretzels she can pack?

Example 4:

The GCF of two numbers less than or equal to 12 is 4. Their LCM is 24. What are the two numbers?