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| **Relating Factors, Multiples, and Divisibility** | | | |
| Understands the term “factor”, and identifies the factors of a number  A factor is a whole number that divides exactly into another number.  A number is a factor of itself.  1 is a factor of all numbers.  The factors of 12 are:  1, 2, 3, 4, 6, 12 | Understands the term “multiple” and identifies multiples of a number  A multiple of a number is the product of that number and another number.  Some multiples of 12 are: 12, 24, 36, 48, 60, … | Applies divisibility rules to determine the factors of a number  The factors of 20 are:  • 1 and 20, because 1 is a factor   of all numbers, and a number   is a factor of itself.  • 2, because 20 is an even number  • 4, because 20 can be divided twice   by 2  • 5 and 10, because 20 has 0 in the   ones place | Uses the context of the problem to determine whether to identify factors or multiples  In the cupcake problem,  Aliyah donated 8 cupcakes per batch, and Ben donated 12 cupcakes per batch. They both donated the same number of cupcakes.  I need to determine the least number that both 8 and 12 divide into exactly. So, I need to determine multiples of 8 and 12. |
| **Observations/Documentation** | | | |
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