|  |
| --- |
| **Relating Factors, Multiples, and Divisibility** |
| Understands the term “factor”, and identifies the factors of a numberA 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 numberA 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 numberThe 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 multiplesIn 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** |
|  |  |  |  |