Number

Activity 3 Assessment

Relating Factors, Multiples, and Divisibility

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			