## Activity 1 Assessment Developing Divisibility Rules for 2, 4, 5, 8, and 10

Developing Divisibility Rules for 2, 4, 5, 8, and 10			
Understands and applies a divisibility rule for 2	Understands and applies divisibility rules for 5 and 10	Understands and applies divisibility rules for 4 and 8	Understands and applies divisibility rules for 2, 4, 5, 8, and 10
Any even number is divisible by 2, that is, any number with 0, 2, 4, 6, or 8 in the ones place.	All the multiples of 5 have 0 or 5 in the ones place, so any number with 0 or 5 in the ones place is divisible by 5. All the multiples of 10 have 0 in the ones place, so any number with 0 in the ones place is divisible by 10.	Because $4 = 2 \times 2$ , if I can divide an even number by 2 twice and get no remainder, that number is divisible by 4. Because $8 = 2 \times 2 \times 2$ , if I can divide an even number by 2 three times and get no remainder, that number is divisible by 8.	<ul> <li>I know that 440 is divisible:</li> <li>by 2, because 440 is an even number</li> <li>by 4, because when 440 is divided by 2 twice, there is no remainder</li> <li>by 8, because when 440 is divided by 2 three times, there is no remainder</li> <li>by 5 and by 10, because 440 has 0 in the ones place</li> </ul>
Observations/Documentation			