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| **Developing Divisibility Rules for 3, 6, and 9** |
| Understands and applies a divisibility rule for 3456 is divisible by 3 because the sum of its digits is: 4 + 5 + 6 = 15, and 15 is divisible by 3  | Understands and applies a divisibility rule for 6Because 6 = 2 × 3, if a number is divisible by 2 (an even number) and it is divisible by 3, then that number is divisible by 6. 126 is divisible by 6 because 126 is an even number and the sum of its digits is 9.  | Understands and applies a divisibility rule for 9Because 9 = 3 × 3, if a number is divisible by 3 twice, then that number is divisible by 9. The sum of the digits must be a multiple of 9.126 is divisible by 9 because the sum of its digits is 9. | Understands and applies divisibility rules for 2, 3, 4, 5, 6, 8, 9, and 10I know that 7350 is divisible: • by 2, because 7350 is an even  number• by 3 because the sum of the digits  of 7350 is 15, which is divisible  by 3• by 6, because 7350 is divisible  by 2 and by 3• by 5 and by 10, because 7350 has  0 in the ones place |
| **Observations/Documentation** |
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