Number

Activity 2 Assessment
Developing Divisibility Rules for 3, 6, and 9

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Understands and applies a divisibility rule for 3	Understands and applies a divisibility rule for 6	Understands and applies a divisibility rule for 9	Understands and applies divisibility rules for 2, 3, 4, 5, 6, 8, 9, and 10
456 is divisible by 3 because the sum of its digits is: $4 + 5 + 6 = 15$, and 15 is divisible by 3	Because $6 = 2 \times 3$, 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.	Because $9 = 3 \times 3$, 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.	I 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