Activity 1 Assessment
Exploring Greatest Common Factors and Lowest Common Multiples

Exploring Greatest Common Factors and Lowest Common Multiples			
Writes a number as a product of two factors 18 = 1 × 18 18 = 2 × 9	Identifies all factors of a number, then identifies the greatest common factor for two numbers Factors of 18: 1, 2, 3, <u>6</u>, 9, 18 Factors of 12: 1, 2, 3, 4, <u>6</u>, 12 The greatest common factor of 18 and 12 is 6.	Writes the multiples of two numbers and identifies lowest common multiple Multiples of 3: 3, 6, 9, 12, 15, 18, 21, 24, … Multiples of 8: 8, 16, 24, 32, 40, … The lowest common multiple is 24.	Identifies the lowest common multiple and greatest common factor of 3 numbers 4, 6, and 8 Multiples of 4: 4, 8, 12, 16, 20, 24, … Multiples of 6: 6, 12, 18, 24, … Multiples of 8: 8, 16, 24, … The lowest common multiple is 24. Factors of 4: 1, 2, 4 Factors of 6: 1, 2, 3, 6 Factors of 8: 1, 2, 4, 8 The greatest common factor is 2.
Observations/Documentation			

Mathology 7
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