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| **Determining Multiples and Factors** |
| Uses concrete materials to find multiples.“To find multiples of 4, I added a row of 4 tiles each time and counted on: 4, 8, 12, ….” | Uses skip-counting or repeated addition. 4, 8, 12, 16, 20, … | Uses familiar basic facts to identify some multiples and factors.  2 × 4 = 8 3 × 4 = 12 10 × 4 = 40“I thought of the multiplication facts for 4 that I know.” | Uses efficient, systematic strategies to determine multiples and identify all factors.“To find factors of 8, I start 8 ÷ 1 = 8 Factors are 1 and 8.8 ÷ 2 = 4 Factors are 2 and 4.8 ÷ 3 = X 8 ÷ 4 = 2 So, 1, 2, 4, and 8 are all factors.” |
| **Observations/Documentation** |
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| **Determining Multiples and Factors (cont’d)** |
| Uses concrete materials to identify prime and composite numbers.“7 is prime because it has only 2 factors, 1 and 7. 12 is composite because it has more than 2 factors: 1 and 12, 2 and 6, and 3 and 4.” | Writes a composite number as a product of its prime factors.“30 = 2 × 3 × 5” | Identifies common factors and multiples for a pair of numbers.Multiples of 4: 4, 8, **12**, 16, 20, **24**, 28 Multiples of 6: 6, **12**, 18, **24**, 30“Two common multiples are 12 and 24.” | Solves problems involving common factors and multiples“Choir practice is every 5th day.Gymnastics is every 3rd day.That means choir and gymnastics both happen every 15th day.” |
| **Observations/Documentation** |
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