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| **Determining Multiples and Factors** | | |
| Uses skip-counting or repeated addition to find multiples  4, 8, 12, 16, 20, …  “To find multiples of 4, I skip counted by 4.” | 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 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.” | Identifies common multiples/factors and greatest common factor for a pair of numbers  Factors of 24: **1**, **2**, 3, **4**, 6, **8**, 12, 24  Factors of 56: **1**, **2**, **4**, 7, **8**, 14, 28, 56  “The greatest common factor is 8.” | 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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