Number

Activity 20 Assessment

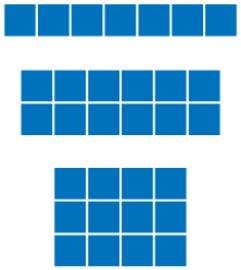
Factors and Multiples, and Prime and Composite Numbers

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		

Number

Activity 20 Assessment

Factors and Multiples, and Prime and Composite Numbers

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		