Determining Multiples and Factors						
Uses skip-counting or repeated addition to find multiples	Uses familiar basic facts to identify some multiples and factors	Uses efficient strategies to determine multiples and identify all factors				
4, 8, 12, 16, 20,	2 × 4 = 8 3 × 4 = 12	"To find factors of 8, I start 8 ÷ 1 = 8				
"To find multiples of 4, I skip counted by 4."	10 × 4 = 40 "I thought of the multiplication facts for 4 that I know."	Factors are 1 and 8. $8 \div 2 = 4$ Factors are 2 and 4. $8 \div 3 = X$ $8 \div 4 = 2$ So, 1, 2, 4, and 8 are all factors."				
Observations/Documentation						

## Activity 22 Assessment Fluency with Multiplication and Division Consolidation

Determining Multiples and Factors (cont'd)						
Uses concrete materials to identify prime and composite numbers	Identifies common multiples/factors and greatest common factor for a pair of numbers	Solves problems involving common factors and multiples				
	Factors of 24: <u>1</u> , <u>2</u> , 3, <u>4</u> , 6 <u>, 8</u> , 12, 24 Factors of 56: <u>1</u> , <u>2</u> , <u>4</u> , 7, <u>8</u> , 14, 28, 56	"Choir practice is every 5th day. Gymnastics is every 3rd day. That means choir and gymnastics both happen every 15th day."				
	"The greatest common factor is 8."					
"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."						
Observations/Documentation						

## Number

## Activity 22 Assessment Fluency with Multiplication and Division Consolidation

Fluency of Multiplication and Division Facts						
Recalls and demonstrates multiplication and divisions facts to 5 × 5	Uses inverse operations to solve multiplication and division problems	Uses known facts to determine unknown facts "I can use the distributive property to split the multiplication into facts that I know, then add." $5 \times 9 = 5 \times 5 + 5 \times 4$ $25 + 20 = 45$	Fluently creates and solves whole number multiplication problems with factors to 12 and related division problems There are 96 basketballs with the same number on each of 12 shelves.			
Observations/Documentation						