Extending Whole Number Understanding																							
Represents 5-digit numbers on place-value chart (decomposes in one way).								Represents same number in multiple ways (e.g., words, expanded form, place-value chart).						Uses relationships among place-value positions to read a number in more than one way.						ons to			
	Hundred thousands	Ten s thousands	s Thousands	Hundreds	Tens	Ones	]		Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones			Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones	l
		7	I	2	8	3				7	L	2	8	3				7	I	2	8	3	
Ob	<ul> <li>"71 283 has 7 ten-thousands, 1 thousand, 2 hundreds, 8 tens, and 3 ones."</li> <li>"71 238; seventy-one thousand two hundred eighty-three; 70 000 + 1000 + 200 + 80 + 3"</li> <li>"7 ten-thousands, 1 thousand, 2 hundreds, 8 ten and 3 ones can also be 71 thousands, 2 hundreds and 3 ones."</li> </ul>										8 ten, ıdreds,												

## Activity 5 Assessment Number Relationships and Place Value Consolidation

Extending Whole Number Understanding (con't)												
Uses pl	ace-val	ue to c	compare	e numl	bers.		Uses place value to compare and order numbers.	Extends whole number understanding up to and beyond 1,000,000				
Ten       Thousands       Hundreds       Tens       Ones         7       I       2       8       3         7       3       I       9       3         "Both numbers have 3 ten-thousands. Since 3						Gince 3	<b>65 218, 56 812, 65 018, 65 208</b> "I compared the digits in each place-value position. From least to greatest: 56 812, 65 018, 65 208, 65 218."	"To represent 1 639 587, I have to add 2 columns to the place value chart: one for hundred- thousands and one for millions."				
thousands is more than 1 thousand, 73 193 is greater than 71 283." 73 193 > 71 283												
Obser	vatior	is/Doo	cumer	ntatio	n							

## Activity 5 Assessment Number Relationships and Place Value Consolidation

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. $2 \times 4 = 8$ $3 \times 4 = 12$ $10 \times 4 = 40$ "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 $8 \div 1 = 8$ 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."								
<b>Observations/Documentation</b>											

## Number

## Activity 5 Assessment Number Relationships and Place Value Consolidation

Determining Multiples and Factors (con't)											
Uses concrete materials to identify prime and composite numbers.	Writes a composite number as a product of its prime factors. $30$ $5 \times 6$ $3 \times 2$	Identifies common factors and multiples for a pair of numbers. Multiples of 4: 4, 8, <b>12</b> , 16, 20, <b>24</b> , 28 Multiples of 6: 6, <b>12</b> , 18, <b>24</b> , 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."								
"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."	"30 = 2 × 3 × 5"										
Observations/Documentation											