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| **Representing Numbers Using Place Value** |
| Models 4-digit number using Base Ten Blocks (decomposes in one way).“2375: I used the digits of the number to tell me how many of each block I needed.” | Represents 4-digit number on place-value chart (decomposes in one way).“2375 has 2 thousands, 3 hundreds, 7 tens, and 5 ones.” | Represents 5-digit number on place-value chart (decomposes in one way).“71 283: I used the digits of the number to tell me the number to write in each column.” |
| **Observations/Documentation** |
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| **Representing Numbers Using Place Value (con’t)** |
| Uses relationships among place-value positions to read a number in more than one way.“7 ten-thousands, 1 thousand, 2 hundreds, 8 tens, and 3 ones can also be 71 thousands, 2 hundreds, and 83 ones.” | Represents numbers using expanded form.“639 587 = 600 000 + 30 000 + 9000 + 500 + 80 + 7” | Represents numbers flexibly using place-value relationships.“639 587 = 600 000 + 30 000 + 9000 + 500 + 80 + 7Or 600 000 + 39 000 + 400 + 180 + 7Or 639 000 + 587” |
| **Observations/Documentation** |
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| **Comparing and Ordering Quantities** |
| Compares numbers using only the first digits. **7843 6587**“7843 is greater than 6587 because 7 is bigger than 6.” | Compares numbers with benchmarks.“I compared the numbers to 10 000. 7348 is less than 10 000 and 12 569 is greater than 10 000. So, 12 569 is greater.” | Visualizes benchmarks on a number line to compare. “I picture 12 589 farther to the right on the line than 7843. So, 12 589 is greater than 7843.” |
| **Observations/Documentation** |
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| **Comparing and Ordering Quantities (con’t)** |
| Uses place value understanding to compare numbers, digit by digit.“Both start with 12 thousands. 3 hundreds is greater than 1 hundred, 2 tens is greater than 0 tens, and 7 ones is less than 9 ones. So, 12 327 is greater than 12 109.” | Compares and orders three or more numbers using a variety of strategies.**7407 36 104 36 455**“7407 has only 4 digits, so it’s the least. To compare 36 104 and 36 455, I have to look at the hundreds place; 4 is greater than 1, so 36 455 is the greatest number.” | Compares numbers flexibly and records comparisons symbolically (<, =, >).**37 867 < 49 328**“Both are 5-digit numbers. The first digit tells me that 37 867 is less than 49 328.”**37 867 > 35 095**“For this pair, I have to check the thousands place.” |
| **Observations/Documentation** |
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