

# Activity 2 Assessment

## Representing Numbers in Different Forms

### Extending Whole Number Understanding

Represents 6-digit number on place-value chart (decomposes in one way)

Millions			Thousands			Units		
Hundreds	Tens	Ones	Hundreds	Tens	Ones	Hundreds	Tens	Ones
			9	8	2	7	6	9
			↓	↓	↓	↓	↓	↓
			900 000	80 000	2000	700	60	9

“982 769 has 9 hundred-thousands, 8 ten-thousands, 2 thousands, 7 hundreds, 6 tens, and 9 ones.”

Represents 7-digit number on place-value chart (decomposes in one way)

Millions			Thousands			Units		
Hundreds	Tens	Ones	Hundreds	Tens	Ones	Hundreds	Tens	Ones
		1	0	2	5	8	2	0
		↓	↓	↓	↓	↓	↓	↓
		1 000 000	0	20 000	5000	800	20	0

“1 025 820: I used the digits of the number to tell me the number to write in each column.”

Uses relationships among place-value positions to read and write a number in more than one way

Millions			Thousands			Units		
Hundreds	Tens	Ones	Hundreds	Tens	Ones	Hundreds	Tens	Ones
		1	0	2	5	8	2	0
		↓	↓	↓	↓	↓	↓	↓
		1 000 000	0	20 000	5000	800	20	0

“1 million, 2 ten-thousands, 5 thousands, 8 hundreds, and 2 tens, can also be 1 million, 25 thousands, 820 ones.”  
 $1\ 025\ 820 = 1\ 000\ 000 + 20\ 000 + 5000 + 800 + 20$

### Observations/Documentation

# Activity 2 Assessment

## Representing Numbers in Different Forms

### Extending Whole Number Understanding (cont'd)

Uses place-value to compare and order numbers to 10 000 000



“Both start with 4 million 125 thousands. 3 hundreds is greater than 1 hundred, 2 tens is greater than 0 tens, and 7 ones is less than 9 ones. So, 4 125 327 is greater than 4 125 109.”

Rounds 6- and 7-digit numbers to various places

Millions			Thousands			Units		
Hundreds	Tens	Ones	Hundreds	Tens	Ones	Hundreds	Tens	Ones
		1	0	2	5	8	2	0
		↑ 1 000 000	↓ 0	↓ 20 000	↓ 5000	↑ 800	↑ 20	↑ 0

“1 025 820 rounded to the nearest ten is 1 025 820, to the nearest hundred is 1 025 800, to the nearest thousand is 1 026 000, to the nearest ten thousand is 1 030 000, to the nearest hundred thousand is 1 000 000, and to the nearest million is 1 000 000.”

Represents and compares numbers flexibly using place-value relationships

$$\begin{aligned}
 & \text{“}1\ 025\ 820 = \\
 & 1\ 000\ 000 + 20\ 000 + 5000 + 800 + 20 \\
 & 1\ 025\ 820 = \\
 & 1\ 000\ 000 + 20\ 000 + 5000 + 700 + 120 \\
 & 1\ 025\ 820 = \\
 & 1\ 000\ 000 + 20\ 000 + 5000 + 700 + 110 + 10\text{”}
 \end{aligned}$$

### Observations/Documentation