

Name: _____

Date: _____

❖ Place Value ❖

Example: 642,857,693

In words: Six Hundred and Forty Two Million, Eight Hundred and Fifty Seven Thousand, Six Hundred and Ninety Three.

Value of place **decreases** by 10 times when moving right.

$\xrightarrow{\times \frac{1}{10}}$			$\xrightarrow{\times \frac{1}{10}}$			$\xrightarrow{\times \frac{1}{10}}$			$\xrightarrow{\times \frac{1}{10}}$			$\xrightarrow{\times \frac{1}{10}}$			$\xrightarrow{\times \frac{1}{10}}$			$\xrightarrow{\times \frac{1}{10}}$		
Million			Thousand																	
Hundreds	Tens	Ones	Hundreds	Tens	Ones	Hundreds	Tens	Ones	Hundreds	Tens	Ones									
6	4	2	8	5	7	6	9	3												
$\xleftarrow{\times 10}$		$\xleftarrow{\times 10}$		$\xleftarrow{\times 10}$		$\xleftarrow{\times 10}$		$\xleftarrow{\times 10}$		$\xleftarrow{\times 10}$										

Value of place **increases** by 10 times when moving left.

Write the number in expanded form

$$642,857,693 = (6 \times 100,000,000) + (4 \times 10,000,000) + (2 \times 1,000,000) + (8 \times 100,000) + (5 \times 10,000) + (7 \times 1,000) + (6 \times 100) + (9 \times 10) + 3.$$

1. 287,344,927 = _____

2. 858,741,305 = _____

3. 214,307,852 = _____

4. 357,446,291 = _____

5. 724,279,079 = _____

6. 20,852,961 = _____

7. 339,574,280 = _____

8. 284,957,514 = _____

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(Answer Key)

$$1. \quad 287,344,927 = (2 \times 100,000,000) + (8 \times 10,000,000) + (7 \times 1,000,000) + (3 \times 100,000) + (4 \times 10,000) + (4 \times 1,000) + (9 \times 100) + (2 \times 10) + 7$$

$$2. \quad 858,741,305 = (8 \times 100,000,000) + (5 \times 10,000,000) + (8 \times 1,000,000) + (7 \times 100,000) + (4 \times 10,000) + (1 \times 1,000) + (3 \times 100) + (0 \times 10) + 5$$

$$3. \quad 214,307,852 = (2 \times 100,000,000) + (1 \times 10,000,000) + (4 \times 1,000,000) + (3 \times 100,000) + (0 \times 10,000) + 7 \times 1,000) + (8 \times 100) + (5 \times 10) + 2$$

$$4. \quad 357,446,291 = (3 \times 100,000,000) + (5 \times 10,000,000) + (7 \times 1,000,000) + (4 \times 100,000) + (4 \times 10,000) + (6 \times 1,000) + (2 \times 100) + (9 \times 10) + 1$$

$$5. \quad 724,279,079 = (7 \times 100,000,000) + (2 \times 10,000,000) + (4 \times 1,000,000) + (2 \times 100,000) + (7 \times 10,000) + (9 \times 1,000) + (0 \times 100) + (7 \times 10) + 9$$

$$6. \quad 20,852,961 = (2 \times 10,000,000) + (0 \times 1,000,000) + 8 \times 100,000) + (5 \times 10,000) + (2 \times 1,000) + (9 \times 100) + (6 \times 10) + 1$$

$$7. \quad 339,574,280 = (3 \times 100,000,000) + (3 \times 10,000,000) + (9 \times 1,000,000) + (5 \times 100,000) + (7 \times 10,000) + (4 \times 1,000) + (2 \times 100) + (8 \times 10) + 0$$

$$8. \quad 284,957,514 = (2 \times 100,000,000) + (8 \times 10,000,000) + (4 \times 1,000,000) + (9 \times 100,000) + (5 \times 10,000) + (7 \times 1,000) + (5 \times 100) + (1 \times 10) + 4$$
