

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												
$\xleftarrow{\times 10}$		$\xleftarrow{\times 10}$		$\xleftarrow{\times 10}$		$\xleftarrow{\times 10}$		$\xleftarrow{\times 10}$		$\xleftarrow{\times 10}$		$\xleftarrow{\times 10}$								

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. 587,201,497 = \_\_\_\_\_

2. 241,874,692 = \_\_\_\_\_

3. 138,420,090 = \_\_\_\_\_

4. 582,746,300 = \_\_\_\_\_

5. 962,588,150 = \_\_\_\_\_

6. 77,685,045 = \_\_\_\_\_

7. 804,367,243 = \_\_\_\_\_

8. 50,287,691 = \_\_\_\_\_

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❖ Place Value ❖  
(Answer Key)

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$$1. 587,201,497 = (5 \times 100,000,000) + (8 \times 10,000,000) + (7 \times 1,000,000) + (2 \times 100,000) + (0 \times 10,000) + (1 \times 1,000) + (4 \times 100) + (9 \times 10) + 7$$

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$$2. 241,874,692 = (2 \times 100,000,000) + (4 \times 10,000,000) + (1 \times 1,000,000) + (8 \times 100,000) + (7 \times 10,000) + (4 \times 1,000) + (6 \times 100) + (9 \times 10) + 2$$

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$$3. 138,420,090 = (1 \times 100,000,000) + (3 \times 10,000,000) + (8 \times 1,000,000) + (4 \times 100,000) + (2 \times 10,000) + (0 \times 1,000) + (0 \times 100) + (9 \times 10) + 0$$

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$$4. 582,746,300 = (5 \times 100,000,000) + (8 \times 10,000,000) + (2 \times 1,000,000) + (7 \times 100,000) + (4 \times 10,000) + (6 \times 1,000) + (3 \times 100) + (0 \times 10) + 0$$

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$$5. 962,588,150 = (9 \times 100,000,000) + (6 \times 10,000,000) + (2 \times 1,000,000) + (5 \times 100,000) + (8 \times 10,000) + (8 \times 1,000) + (1 \times 100) + (5 \times 10) + 0$$

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$$6. 77,685,045 = (7 \times 10,000,000) + (7 \times 1,000,000) + (6 \times 100,000) + (8 \times 10,000) + (5 \times 1,000) + (0 \times 100) + (4 \times 10) + 5$$

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$$7. 804,367,243 = (8 \times 100,000,000) + (0 \times 10,000,000) + (4 \times 1,000,000) + (3 \times 100,000) + (6 \times 10,000) + (7 \times 1,000) + (2 \times 100) + (4 \times 10) + 3$$

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$$8. 50,287,691 = (5 \times 10,000,000) + (0 \times 1,000,000) + (2 \times 100,000) + (8 \times 10,000) + (7 \times 1,000) + (6 \times 100) + (9 \times 10) + 1$$

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