

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.

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

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

Write the number in expanded form

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

1. 636,520,743 = _____

2. 357,014,259 = _____

3. 987,024,341 = _____

4. 856,227,348 = _____

5. 571,478,043 = _____

6. 874,285,669 = _____

7. 211,347,558 = _____

8. 501,478,234 = _____

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❖ Place Value ❖
(Answer Key)

$$1. \quad 636,520,743 = (6 \times 100,000,000) + (3 \times 10,000,000) + (6 \times 1,000,000) + (5 \times 100,000) + (2 \times 10,000) + (0 \times 1,000) + (7 \times 100) + (4 \times 10) + 3$$

$$2. \quad 357,014,259 = (3 \times 100,000,000) + (5 \times 10,000,000) + (7 \times 1,000,000) + (0 \times 100,000) + (1 \times 10,000) + (4 \times 1,000) + (2 \times 100) + (5 \times 10) + 9$$

$$3. \quad 987,024,341 = (9 \times 100,000,000) + (8 \times 10,000,000) + (7 \times 1,000,000) + (0 \times 100,000) + (2 \times 10,000) + (4 \times 1,000) + (3 \times 100) + (4 \times 10) + 1$$

$$4. \quad 856,227,348 = (8 \times 100,000,000) + (5 \times 10,000,000) + (6 \times 1,000,000) + (2 \times 100,000) + (2 \times 10,000) + (7 \times 1,000) + (3 \times 100) + (4 \times 10) + 8$$

$$5. \quad 571,478,043 = (5 \times 100,000,000) + (7 \times 10,000,000) + (1 \times 1,000,000) + (4 \times 100,000) + (7 \times 10,000) + (8 \times 1,000) + (0 \times 100) + (4 \times 10) + 3$$

$$6. \quad 874,285,669 = (8 \times 100,000,000) + (7 \times 10,000,000) + (4 \times 1,000,000) + (2 \times 100,000) + (8 \times 10,000) + (5 \times 1,000) + (6 \times 100) + (6 \times 10) + 9$$

$$7. \quad 211,347,558 = (2 \times 100,000,000) + (1 \times 10,000,000) + (1 \times 1,000,000) + (3 \times 100,000) + (4 \times 10,000) + (7 \times 1,000) + (5 \times 100) + (5 \times 10) + 8$$

$$8. \quad 501,478,234 = (5 \times 100,000,000) + (0 \times 10,000,000) + (1 \times 1,000,000) + (4 \times 100,000) + (7 \times 10,000) + (8 \times 1,000) + (2 \times 100) + (3 \times 10) + 4$$
