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5th Grade Place Value Worksheets

- What is the place value of 8 in each of the following?
i) 158,776,946,699 ii) 862,496,135,267
- In a survey, it was found that around 44,529,827 birds were kept in cages during the early 20th century. Find out how many tens there are in 44,529,827.



- Write the numbers in standard form
i) Seventeen billion, six hundred twenty-two million, ninety-three
ii) Six hundred forty-eight billion, two ninety-five million, six hundred forty-four thousand, three seventy-eight.
- Match the following:

Number	Place value of 9
i) 957,622,087	a) Ten millions
ii) 295,644,378	b) Hundred thousands
iii) 672,984,204	c) Hundred millions

5. Write the numbers given below in expanded form:
 i) 85,331,336,927 ii) 993,373,000,059

6. Write the numbers given below in standard form:
 i) 600,000,000,000 + 60,000,000 + 8,000,000 + 700,000 + 4,000 + 80 + 8
 ii) 600,000,000,000 + 10,000,000 + 500,000 + 8,000 + 900 + 30 + 1

7. Write down the numbers shown below in the standard form:

Hundred-billions	Ten-billions	Billions	Hundred-millions	Ten-millions	Millions	Hundred-thousands	Ten-thousands	Thousands	Hundreds	Tens	Ones
6	4	0	0	8	2	6	6	9	6	5	0

8. Write down the place value of the underlined digit.
 i) 98,295,644,378 ii) 158,295,644,378

9. Write down the equivalent value
 i) nine billion ones ii) 4 million tens.

10. Find out the place value of each digit

i) 882.98

Hundred	Tens	Ones	One-tenths	One-hundredths

ii) 490.53

Hundred	Tens	Ones	One-tenths	One-hundredths

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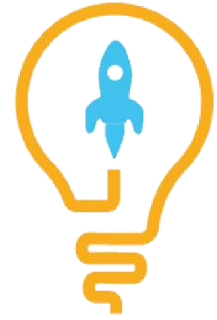
- Barbara Cabrera

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ANSWERS

<p>1. i) billions ii) Hundred billions</p>	<p>2. 4,452,982</p>	<p>3. i) 17,622,000,093 ii) 648,295,644,378</p>	<p>4. i) c ii) a iii) b</p>	<p>5. Check solution</p>																																													
<p>6. i) 600,068,704,088 ii) 610,500,008,931</p>	<p>7. 640,082,669,650</p>	<p>8. i) Hundred billions ii) Hundred Millions</p>	<p>9. i) 90,000,000,000 0 ii) 400,000,000</p>	<p>10.</p> <p>i)</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <tbody> <tr> <td style="padding: 5px;">H</td> <td style="padding: 5px;">T</td> <td style="padding: 5px;">O</td> <td style="padding: 5px;">O</td> <td style="padding: 5px;">O</td> </tr> <tr> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;">T</td> <td style="padding: 5px;">H</td> </tr> <tr> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;">h</td> <td style="padding: 5px;">h</td> </tr> <tr> <td style="padding: 5px;">8</td> <td style="padding: 5px;">8</td> <td style="padding: 5px;">2</td> <td style="padding: 5px;">9</td> <td style="padding: 5px;">8</td> </tr> </tbody> </table> <p>ii)</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <tbody> <tr> <td style="padding: 5px;">H</td> <td style="padding: 5px;">T</td> <td style="padding: 5px;">O</td> <td style="padding: 5px;">O</td> <td style="padding: 5px;">O</td> </tr> <tr> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;">-</td> <td style="padding: 5px;">H</td> </tr> <tr> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;">T</td> <td style="padding: 5px;">h</td> </tr> <tr> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;">h</td> <td style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">4</td> <td style="padding: 5px;">9</td> <td style="padding: 5px;">0</td> <td style="padding: 5px;">5</td> <td style="padding: 5px;">3</td> </tr> </tbody> </table>	H	T	O	O	O				T	H				h	h	8	8	2	9	8	H	T	O	O	O				-	H				T	h				h		4	9	0	5	3
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SOLUTIONS

Complete solution/explanation

- Expanding according to their place values, here,
9 is at ones place, 9 is at Tens, 6 is at Hundreds place, 6 is at Thousands place, 4 is at Ten Thousands place, 9 is at hundred Thousands place, 6 is at Millions place, 7 is at Ten Millions place, 7 is at hundred Millions place, 8 is at Billions place, 5 is at Ten Billions place, and 1 is at Hundred Billions place.
Hence, 8 is at billions place.
 - Expanding according to their place values, here,
7 is at ones place, 6 is at Tens, 2 is at Hundreds place, 5 is at Thousands place, 3 is at Ten Thousands place, 1 is at hundred Thousands place, 6 is at Millions place, 9 is at Ten Millions place, 4 is at hundred Millions place, 2 is at Billions place, 6 is at Ten Billions place, 8 is at hundred billions place.
Hence, 8 is at hundred Billions place.
- There are 4,452,982 hundreds.
- 17,622,000,093
 - 648,295,644,378
- Expanding according to their place values, here,
8 is at ones place, 7 is at Tens, 3 is at Hundreds place, 4 is at Thousands place, 4 is at Ten Thousands place, 6 is at hundred Thousands place, 5 is at Millions place, 9 is at ten millions, 2 is at hundred millions.
Hence, 9 is at ten millions place.

ii) Expanding according to their place values, here,

7 is at ones place, 8 is at Tens, 2 is at Thousands place, 2 is at Ten Thousands place, 6 is at hundred Thousands place, 7 is at Millions place, 5 is at ten millions, 9 is at hundred millions.

Hence, 9 is at a hundred millions place.
672,984,204

iii) 4 is at ones place, 0 is at Tens, 2 is at Hundreds place, 4 is at Thousands place, 8 is at Ten Thousands place, 9 is at hundred Thousands place, 2 is at Millions place, 7 is at ten millions, 6 is at hundred millions place.

Hence 9 is at Hundred thousands place.

5. i) $80,000,000,000 + 5,000,000,000 + 300,000,000 + 30,000,000 + 1,000,000 + 300,000 + 30,000 + 6,000 + 900 + 20 + 7$

ii) $900,000,000,00 + 90,000,000,000 + 3,000,000,000 + 300,000,000 + 70,000,000 + 3,000,000 + 50 + 9$

6.

i) 600,068,704,088

ii) 610,500,008,931

7. Placing the numbers according to their place value:
640,082,669,650

8.

i) Expanding according to their place values, here,

8 is at ones place, 7 is at Tens, 3 is at Hundreds place, 4 is at Thousands place, 4 is at Ten Thousands place, 6 is at hundred Thousands place, 5 is at Millions place, 9 is at Ten Millions place, 2 is at hundred Millions place, 8 is at Billions place, 9 is at Ten Billions place.

Hence, 9 is at a hundred billions place.

ii) Expanding according to their place values, here,

8 is at ones place, 7 is at Tens, 3 is at Hundreds place, 4 is at Thousands place, 4 is at Ten Thousands place, 6 is at hundred Thousands place, 5 is at Millions place, 9 is at Ten Millions place, 2 is at hundred Millions place, 8 is at billions place, 5 is at ten billions place, 1 is at hundred billions place.

Hence, 2 is at hundred Millions place.

9.

i) $90,000,000,000 = 9$ billions ones.

ii) $400,000,000 = 4$ million tens

10.

i) 882.98

Hundred	Tens	Ones	One-tenths	One-hundredths
8	8	2	9	8

ii) 490.53

Hundred	Tens	Ones	One-tenths	One-hundredths
4	9	0	5	3

FUN FACT

- 1) Thousand millions makes a billion.
- 2) Binary system has just two digits (0 and 1).
- 3) Value of any place increases by 10 times if we move left on the place value chart.

