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5th Grade Place Value Worksheets

1. Find out the place value of each digit

i) 565.87

Hundred	Tens	Ones	One-tenths	One-hundredths

ii) 836.73

Hundred	Tens	Ones	One-tenths	One-hundredths

2. Oliver was doing her homework and she came across a problem where she had to find out the number of ones there in 4,841,763,175. Can you help her with this?



3. Write the numbers in standard form
- Four hundred seventeen billion, six hundred forty-eight million, two hundred ninety-five, six hundred twenty-two
 - Six hundred billion, ninety-three million, six hundred forty-four thousand, two seventy-five
4. Name the place value of 3 in each of the following
- 53,862,762,978
 - 32,087,898,957
5. Write the numbers given below in the expanded form:
- 96,582,568,665
 - 986,520,859,763
6. Write the numbers given below in standard form:
- $800,000,000,000 + 70,000,000,000 + 1,000,000,000 + 600,000,000 + 50,000,000 + 2,000,000 + 400,000 + 60,000 + 7,000 + 500 + 70 + 2$
 - $500,000,000,000 + 8,000,000 + 900,000 + 30,000 + 1,000 + 600 + 10$
7. Write down the numbers shown below in the standard form

6	4	9	6	4	2	9	7	5	2
ones	tens	hundreds	thousands	ten thousands	hundred thousands	millions	ten millions	hundred millions	billions

8. Write down the place value of the underlined digit.

i) 276,481,764,919 ii) 658,277,648,543

9. Write down the equivalent value:

i) seventeen billion ones ii) forty million tens

10. What is the place value of 4 in each of the following?

i) 946,699,158,776, ii) 496,135,862,267



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- Gary Schwartz

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- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

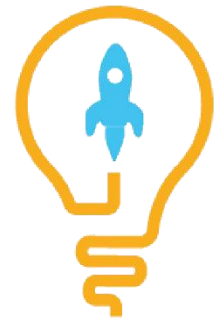
- Barbara Cabrera

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ANSWERS

<p>1.</p> <p>i)</p> <table border="1" data-bbox="161 819 464 1093"> <thead> <tr> <th>H</th> <th>T</th> <th>O</th> <th>O</th> <th>O</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td>T</td> <td>H</td> </tr> <tr> <td></td> <td></td> <td></td> <td>h</td> <td>h</td> </tr> <tr> <td>5</td> <td>6</td> <td>5</td> <td>8</td> <td>7</td> </tr> </tbody> </table> <p>ii)</p> <table border="1" data-bbox="161 1200 464 1525"> <thead> <tr> <th>H</th> <th>T</th> <th>O</th> <th>O</th> <th>O</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td>-</td> <td>H</td> </tr> <tr> <td></td> <td></td> <td></td> <td>T</td> <td>h</td> </tr> <tr> <td></td> <td></td> <td></td> <td>h</td> <td></td> </tr> <tr> <td>8</td> <td>3</td> <td>6</td> <td>7</td> <td>3</td> </tr> </tbody> </table>	H	T	O	O	O				T	H				h	h	5	6	5	8	7	H	T	O	O	O				-	H				T	h				h		8	3	6	7	3	<p>2.</p> <p>4841763175</p>	<p>3.</p> <p>i)</p> <p>417,648,295,62 2</p> <p>ii)</p> <p>600,093,644,2 75</p>	<p>4.</p> <p>i) Billions</p> <p>ii) Ten billions</p>	<p>5.</p> <p>Check solution</p>
H	T	O	O	O																																													
			T	H																																													
			h	h																																													
5	6	5	8	7																																													
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			h																																														
8	3	6	7	3																																													
<p>6.</p> <p>i)</p> <p>871,652,467,572</p> <p>ii)</p> <p>500,008,931,610,</p>	<p>7.</p> <p>2,579,246, 946</p>	<p>8.</p> <p>i) Hundred billions</p> <p>ii) Hundred Millions</p>	<p>9.</p> <p>i)</p> <p>170,000,0 00,000</p> <p>ii) 4,000,00 0,000</p>	<p>10.</p> <p>i) Ten billions</p> <p>ii) Hundred billions</p>																																													

**SOLUTIONS**

Complete solution/explanation

1. i) 565.87

Hundred	Tens	Ones	One-tenths	One-hundredths
5	6	5	8	7

ii) 836.73

Hundred	Tens	Ones	One-tenths	One-hundredths
8	3	6	7	3

2. There are 4841763175 ones.

3.

i) 417,648,295,622

ii) 600,093,644,275

4. i) Expanding according to their place values, here,

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

Hence, 3 is at Billions place.

ii) Expanding according to their place values, here,

7 is at ones place, 5 is at Tens, 9 is at Thousands place, 8 is at Ten Thousands place, 9 is at hundred Thousands place, 8 is at Millions place, 7 is at ten millions, 8 is at hundred millions, 2 is at billions place, 3 is at ten billions place.

Hence, 3 is at ten billions place.

5. i) $90,000,000,000 + 6,000,000,000 + 500,000,000 + 80,000,000 + 2,000,000 + 500,000 + 60,000 + 8,000 + 600 + 60 + 5$

ii) $900,000,000,00 + 80,000,000,000 + 6,000,000,000 + 500,000,000 + 20,000,000 + 800,000 + 50,000 + 9,000 + 700 + 60 + 3$

6.

i) 871,652,467,572

ii) 500,008,931,610,

7. Placing the numbers according to their place value:
2,579,246,946

8.

i) Expanding according to their place values, here,

9 is at ones place, 1 is at Tens, 9 is at Hundreds place, 4 is at Thousands place, 6 is at Ten Thousands place, 7 is at hundred Thousands place, 1 is at Millions place, 8 is at Ten Millions place, 4 is at hundred Millions place, 6 is at Billions place, 7 is at Ten Billions place, 9 is at hundred billions place.

Hence, 9 is at a hundred billions place.

ii) Expanding according to their place values, here,
3 is at ones place, 4 is at Tens, 5 is at Hundreds place, 8 is at Thousands place, 4 is at Ten Thousands place, 6 is at hundred Thousands place, 7 is at Millions place, 7 is at Ten Millions place, 2 is at hundred Millions place, 8 is at billions place, 5 is at ten billions place, 6 is at hundred billions place.
Hence, 2 is at hundred Millions place.

9.

i) $170,000,000,000$ = seventeen billions ones.

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

10.

i) Expanding according to their [place values](#), here,
6 is at ones place, 7 is at Tens, 7 is at Hundreds place, 8 is at Thousands place, 5 is at Ten Thousands place, 1 is at hundred Thousands place, 9 is at Millions place, 9 is at Ten Millions place, 6 is at hundred Millions place, 6 is at Billions place, 4 is at Ten Billions place, and 9 is at Hundred Billions place.

Hence, 4 is at ten billions place.

ii) Expanding according to their place values, here,

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

Hence, 4 is at hundred Billions place.

FUN FACT

- 1) Decimal positional numeral system is the most commonly used [number system](#).
- 2) Binary number system is used in computers where the only digits used are 0 and 1.
- 3) Thousand times 1000 makes a million.

