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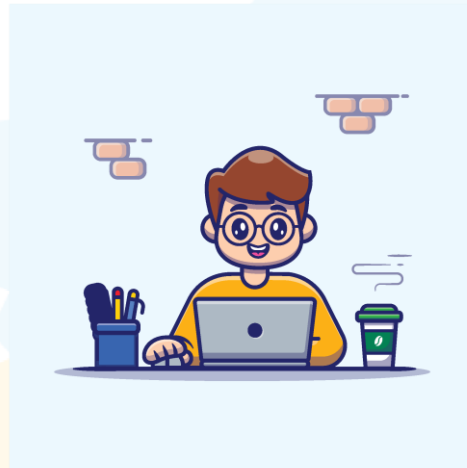
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5th Grade Place Value Worksheets

1. Find out the place value of each digit
 - i) 247.9
 - ii) 636.9
2. Justin was surfing online and found out that the total number of covid cases in the world is found to be around 117,324,875. Find out how many tens are there in 117,324,875.



3. Write the numbers in standard form
 - i) Forty-two billion, one hundred twelve million, three hundred twenty-six thousand, eight hundred forty-three
 - ii) One hundred one billion, six hundred eighteen million, six hundred sixty-nine thousand, seven hundred twenty-five
4. State whether the place value of 4 mentioned in each of the following is true or false:
 - i) $4,732,233,556 = 4$ is at Billions place.
 - ii) $199,451,978,627 = 4$ is at Hundred thousands place.
5. Write the numbers given below in expanded form:
 - i) 8,251,672,002
 - ii) 55,332,237,038

6. 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 | 9 | 2 | 6 | 5 | 9 | 4 | 6 | 5 | 4 | 3 |

7. Write the numbers given below in the standard form:

i) $4,000,000,000 + 100,000,000 + 40,000,000 + 5,000,000 + 900,000 + 50,000 + 6,000 + 700 + 50 + 4$

ii) $6,000,000,000 + 500,000,000 + 50,000,000 + 1,000,000 + 200,000 + 20,000 + 1,000 + 900 + 20 + 7$

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

i) 2,234,287,282 ii) 99,125,944,441

9. Write down the equivalent value:

i) Twelve million tens ii) 5 billion hundred

10. What is the place value of 9 in each of the following?

i) 975,386,513,386 ii) 268,987,543,656

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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."

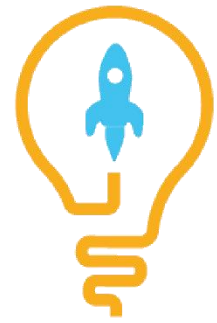
- Barbara Cabrera

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ANSWERS

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <p>1.</p> <p>i)</p> <table border="1" style="width: 100%; text-align: center; border-collapse: collapse;"> <tr> <td style="width: 25%;">H</td> <td style="width: 25%;">T</td> <td style="width: 25%;">O</td> <td style="width: 25%;">O</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td>-</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td>T</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td>h</td> </tr> <tr> <td style="border-top: 1px solid black;">2</td> <td style="border-top: 1px solid black;">4</td> <td style="border-top: 1px solid black;">7</td> <td style="border-top: 1px solid black;">9</td> </tr> </table> <p>ii)</p> <table border="1" style="width: 100%; text-align: center; border-collapse: collapse;"> <tr> <td style="width: 25%;">H</td> <td style="width: 25%;">T</td> <td style="width: 25%;">O</td> <td style="width: 25%;">O</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td>-</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td>T</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td>h</td> </tr> <tr> <td style="border-top: 1px solid black;">6</td> <td style="border-top: 1px solid black;">3</td> <td style="border-top: 1px solid black;">6</td> <td style="border-top: 1px solid black;">9</td> </tr> </table> | H | T | O | O | | | | - | | | | T | | | | h | 2 | 4 | 7 | 9 | H | T | O | O | | | | - | | | | T | | | | h | 6 | 3 | 6 | 9 | <p>2.</p> <p>11,732,487</p> | <p>3.</p> <p>i)</p> <p>42,112,326, 843</p> <p>ii)</p> <p>101,618,669 ,725</p> | <p>4.</p> <p>i) True</p> <p>ii) False</p> | <p>5.</p> <p>Check solution</p> |
| H | T | O | O | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 6 | 3 | 6 | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>6.</p> <p>649,265,946,543</p> | <p>7.</p> <p>i) 4,145,956,754</p> <p>ii) 6,551,221,927</p> | <p>8.</p> <p>i) Hundred millions</p> <p>iii) Billions</p> | <p>9.</p> <p>i) 120,000,000,000</p> <p>ii) 500,000,000,000</p> | <p>10.</p> <p>i) Hundred billions</p> <p>ii) Hundred millions</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



SOLUTIONS

Complete solution/explanation

1. i) 247.9

| Hundred | Tens | Ones | One-tenths | One-hundredths |
|---------|------|------|------------|----------------|
| 2 | 4 | 7 | 9 | |

ii) 636.9

| Hundred | Tens | Ones | One-tenths | One-hundredths |
|---------|------|------|------------|----------------|
| 6 | 3 | 6 | 9 | |

2. There are 11,732,487 tens.

3.

i) 42,112,326,843

ii) 101,618,669,725

4. i) Expanding according to their place values, here, 6 is at ones place, 5 is at Tens, 5 is at Hundreds place, 3 is at Thousands place, 3 is at Ten Thousands place, 2 is at hundred Thousands place, 2 is at Millions place, 3 is at Ten Millions place, 7 is at hundred Millions place, 4 is at Billions place.

Hence, 4 is at Billions place.

ii) Expanding according to their place values, here, 8 is at ones place, 3 is at Tens, 7 is at Thousands place, 3 is at Ten Thousands place, 2 is at hundred Thousands place, 2 is at

Millions place, 3 is at Ten Millions place, 3 is at hundred Millions place, 5 is at Billions place, 5 is at Hundred millions place.
Hence, 4 is at Ten millions place.

5. i) $8,000,000,000 + 200,000,000 + 50,000,000 + 1,000,000 + 600,000 + 70,000 + 2,000 + 2$

ii) $50,000,000,000 + 5,000,000,000 + 300,000,000 + 30,000,000 + 2,000,000 + 200,000 + 30,000 + 7,000 + 30 + 8$

6. Placing the numbers according to their place value:

649,265,946,543.

There are 5 ones, one Tens, 4 Hundreds, 3 Thousands, and 5 Ten Thousands. Hence, the number formed by the abacus is 54,315.

7. i) 4,145,956,754

ii) 6,551,221,927

8.

i) Expanding according to their place values, here,

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

Hence, 2 is at hundred thousands place.

ii) Expanding according to their place values, here,

1 is at ones place, 4 is at Tens, 4 is at Hundreds place, 4 is at Thousands place, 4 is at Ten Thousands place, 9 is at hundred Thousands place, 5 is at Millions place, 2 is at Ten Millions place, 1 is at hundred Millions place, 9 is at hundred Millions place, 9 is at Billions place.

Hence, 9 is at Billions place.

9.

i) $120,000,000 = 12$ millions tens.

ii) $500,000,000,000 = 5$ billion hundreds

10.

i) Expanding according to their place values, here,
6 is at ones place, 8 is at Tens, 3 is at Hundreds place, 3 is at Thousands place, 1 is at Ten Thousands place, 5 is at hundred Thousands place, 6 is at Millions place, 8 is at Ten Millions place, 3 is at hundred Millions place, 5 is at Billions place, 7 is at Ten Billions place, and 9 is at Hundred Billions place.

Hence, 9 is at Hundred billions place.

ii) Expanding according to their place values, here,

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

Hence, 9 is at Hundred millions place.

FUN FACT

- 1) The place value increases by 10 times on moving left.
- 2) Decimal system has 10 digits (0-9).
- 3) Place value and face value are not the same things.

