

**Determine the value of a digit to the thousandths place by using a place value chart, Practice Set B**

Name:

Date:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1. Write the value of the underlined digit.  a. 245.54 \_\_\_\_\_\_\_\_\_\_\_\_  b. 681.23 ­­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_  c. 533.9 \_\_\_\_\_\_\_\_\_\_\_\_ | 2. Write a decimal for each of the following.   |  | | --- | | 1. (3 × 10) +( 5 × 1) + (2 × + (7 × 0.01) + (6 × .001) | | 1. (9 × 100) +( 2 × 10) + (3 × 0.1) +( 7 × ) | | 1. (5 × 1000) +(4 × 100) + (8 × 1) +(6 × 0.01) +(5 × 0.001) | |
| 3. Write in expanded form.   |  |  | | --- | --- | | 1. 0.008 |  | | 1. 15.062 |  | | 1. 607.409 |  | | 4. Model the number 88.88 on the place value chart.   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Hundreds | Tens | Ones | **.** | Tenths | Hundredths | Thousandths | |  |  |  |  |  |  |  |   Use words, numbers, and expanded form to explain why each of the digits has a different value |



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**Answer Key**

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| --- | --- | --- | --- | --- |
| 1. Write the value of the underlined digit.  a. 245.54 200  b. 681.23 0.03  c. 533.9 0.9 | 2. Write a decimal for each of the following.   |  | | --- | | a. (3 × 10) +( 5 × 1) + (2 × + (7 × 0.01) + (6 × .001)  a. 35.276 | | b. (9 × 100) +( 2 × 10) + (3 × 0.1) +( 7 × )  b. 920.307 | | c. (5 × 1000) +(4 × 100) + (8 × 1) +(6 × 0.01) +(5 × 0.001)  c. 5408.065 | |
| 3. Write in expanded form.   |  |  | | --- | --- | | a. 0.008  (8 X 0.001) |  | | b. 15.062  (1 X 10) + (5 X 1) + (6 X 0.01) + (2 X 0.001) |  | | c. 607.409  (6 X 100) + (7 X 1) + (4 X 0.1) + (9 X 0.001) |  | | 4. Model the number 88.88 on the place value chart.   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Hundreds | Tens | Ones | **.** | Tenths | Hundredths | Thousandths | |  | 8 | 8 | . | 8 | 8 |  |   Use numbers, and your expanded form to explain why each of the digits has a different value  88.88 can be written as (8 X 10) + (8 X 1) + (8 X 0.1) + (8 X 0.01). The values of 8 in this number are 80 + 8 + .8 + .08. |