**PA,RTN,ERP,LAC,EVA,LUE.PROJECT**

1. Draw base-ten blocks that represent the number 3,426.
2. Draw base-ten blocks or another display of place value to represent 2.452.
3. Use any digits from 0–9 to fill in the blanks and create a number below. Label the place value names below each digit. Label the actual value of each digit in the space above.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Value |  |  |  |  |  |  |  |  |  |
|  | **\_\_\_** | **\_\_\_** | **\_\_\_** | **\_\_\_** | **.** | **\_\_\_** | **\_\_\_** | **\_\_\_** | **\_\_\_** |
| Place Value |  |  |  |  |  |  |  |  |  |

1. Use any digits from 0–9 to fill in the blanks and create a number below. Use one of your digits more than once (for example: use 4, 7, 8, 6, 7, 2, 1). Describe how the value of the repeated digits in the created number compare.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **\_\_\_** | **\_\_\_** | **\_\_\_** | **\_\_\_** | **.** | **\_\_\_** | **\_\_\_** | **\_\_\_** |  |

1. Use any digits from 0–9 to fill in the blanks and create a number below. Then, write your number in word form and expanded form.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **\_\_\_** | **\_\_\_** | **\_\_\_** | **.** | **\_\_\_** | **\_\_\_** | **\_\_\_** |  |

1. Write a 5-digit decimal number in word form. Then, rewrite the number as a base-ten numeral and also in expanded form.

**PA,RTN,ERP,LAC,EVA,LUE.PROJECT (KEY)**

1. Draw base-ten blocks that represent the number 3,426.

** **

1. Draw base-ten blocks or another display of place value to represent 2.452.

  **** **** **** **** ****

wholes

tenths

 hundredths

thousandths

1. Use any digits from 0–9 to fill in the blanks and create a number below. Label the place value names below each digit. Label the actual value of each digit in the space above.

***Answers will vary.***

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Value |  |  |  |  |  |  |  |  |  |
|  | **\_\_\_** | **\_\_\_** | **\_\_\_** | **\_\_\_** | **.** | **\_\_\_** | **\_\_\_** | **\_\_\_** | **\_\_\_** |
| Place Value |  |  |  |  |  |  |  |  |  |

1. Use any digits from 0–9 to fill in the blanks and create a number below. Use one of your digits more than once (for example: use 4, 7, 8, 6, 7, 2, 1). Describe how the value of the repeated digits in the created number compare.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **\_\_\_** | **\_\_\_** | **\_\_\_** | **\_\_\_** | **.** | **\_\_\_** | **\_\_\_** | **\_\_\_** |  |

***Answers will vary.***

***Sample description for 4,786.721: The seven on the left of the decimal point represents 700. The seven on the right of the decimal point only represents*** $\frac{7}{10}$***. The first 7 (700) is 1000 times larger than the second seven (***$\frac{7}{10}$***). Or, the second seven (***$\frac{7}{10}$***) is*** $\frac{1}{1000}$ ***of the value of the first seven (700) because they are 3 decimal places apart.***

1. Use any digits from 0–9 to fill in the blanks and create a number below. Then, write your number in word form and expanded form.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **\_\_\_** | **\_\_\_** | **\_\_\_** | **.** | **\_\_\_** | **\_\_\_** | **\_\_\_** |  |

***Answers will vary.***

1. Write a 5-digit decimal number in word form. Then, rewrite the number as a base-ten numeral and also in expanded form.

***Answers will vary.***

***Sample word form for 568.75:***

***five hundred sixty-eight and seventy-five hundredths***

***Sample expanded form for 568.75:***

 ***(5 × 100) + (6 × 10) + (8 × 1) + (7 × 0.1) + (5 × 0.01)***