

Math 4

1-3 Forms of Multi-digit Numbers

|  |  |  |  |
| --- | --- | --- | --- |
| **Name:** |  | **Date:** |  |

|  |  |
| --- | --- |
| **Common Core Standards** | [CCSS.MATH.CONTENT.4.NBT.2](http://www.corestandards.org/Math/Content/4/NBT/A/2/)Read and write multi-digit whole numbers using base-ten numerals, number names, and expanded form. Compare two multi-digit numbers based on meanings of the digits in each place, using >, =, and < symbols to record the results of comparisons. |

1-3 Forms of Multi-digit Numbers

**Numeral Periods & Expanded Notation**

****

**7,463,152**

|  |  |  |
| --- | --- | --- |
| **Millions Period** | **Thousands Period** | **Hundreds Period** |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Hundreds** | **Tens** | **Ones** | **Hundreds** | **Tens** | **Ones** | **Hundreds** | **Tens** | **Ones** |
|  |  | **7** | **4** | **6** | **3** | **1** | **5** | **2** |

Identify:

Place the numbers in their correct period

**Fill in the table below for the following numbers:**

**375,284**

**6,843,209**

**4,352,176**

|  |  |  |
| --- | --- | --- |
| **Millions Period** | **Thousands Period** | **Hundreds Period** |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Hundreds** | **Tens** | **Ones** | **Hundreds** | **Tens** | **Ones** | **Hundreds** | **Tens** | **Ones** |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

**Write out their full expanded notation below:**

**375,284 ­­­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**6,843,209 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**4,352,176 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Forms of Multi-digit Numbers**

Situation:

1. **Kevin wrote the expanded notation for: 417,352. Find and correct his mistakes.**

**(4x100,000) + (4x10,000) + (7x1,000) + (3x100) + (5x100) +(2x1)**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Part A: Write out the number its different forms.

731,290

Expanded Form = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Expanded Notation = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Part B: Identify the number by its expanded form:

|  |  |
| --- | --- |
|  |   |
| 1. (3x1,000,000)+(6x100,000)+(4x10,000)+(7x100)+(8x1)
 |  |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| 1. (5 x100,000)+(8x10,000)+(3x1,000)+(9x100)+(2x10)+(8x1)
 |  |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |

Part C: Task Cards

Match the pink card to the blue card with the correct matching phrase of the given numerical expressions.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **1.** |
| $$3,058,921$$ |

 |  |

|  |
| --- |
| **a.** |
| (8x100,000)+(2x10,000)+(7x1,000)+(2x100)+(5x10)+(3x1) |

 |
|  |  |  |
|

|  |
| --- |
| **2.** |
| $$1,738,952$$ |

 |  |

|  |
| --- |
| **b.** |
| (3x100,000)+(8x10,000)+(5x1,000)+(4x100)+(1x10)+(8x1) |

 |

|  |
| --- |
| **3.** |
| $$827,253$$ |

|  |
| --- |
| **c.** |
| (3x1,000,000) + (5x10,000)+(8x1,000)+(9x100)+(2x10)+(1x1)  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **4.** |
| $$385,418$$ |

 |  |

|  |
| --- |
| **d.** |
| (1x1,000,000)+(5x100,000)+(9x10,000)+(6x1,000)+(7x100)+(2x10) |

 |
|  |  |  |
|

|  |
| --- |
| **5.** |
| $$1,596,720$$ |

 |  |

|  |
| --- |
| **e.** |
| (1x1,000,000)+(7x100,000)+(5x10,000)+(8x1,000)+(9x100)+(2x10)+(1x1)  |

 |

|  |  |  |
| --- | --- | --- |
| **Millions Period** | **Thousands Period** | **Hundreds Period** |

**Answer Key**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Hundreds** | **Tens** | **Ones** | **Hundreds** | **Tens** | **Ones** | **Hundreds** | **Tens** | **Ones** |
|  |  |  | **3** | **7** | **5** | **2** | **8** | **4** |
|  |  | **6** | **8** | **4** | **3** | **2** | **0** | **9** |
|  |  | **4** | **3** | **5** | **2** | **1** | **7** | **6** |

 **375,284**

**­­­­­­­­­­­­(3x100,000)+(7x10,000)+(5x1,000)+(2x100)+(8x10)+(4x1)**

**6,843,209**

**(6x1,000,000)+(8x100,000)+(4x10,000)+(3x1,000)+(2x100)+(9x1)**

**4,352,176**

**(4x1,000,000)+(3x100,000)+(5x10,000)+(2x1,000)+(1x100)+(7x10)+(6x1)**

|  |  |  |
| --- | --- | --- |
|  | **Situation 1** | **It should be written: (4x100,000) + (1x10,000) + (7x1,000) + (3x100) + (5x10) +(2x1)****Kevin wrote (5x100) instead of (5x10) and (4x10,000) instead of (1x10,000)** |
|  | **Part A:** | **700,000 + 30,000 + 1,000 + 200 + 90** |
|  |  | **(7x100,000) + (3x10,000) + (1x1,000) + (2x100) + (9x10)** |
|  | **Part B:** |  |
|  | **1.**  | **3,640,701** |
|  | **2.** | **583,928** |
|  | **Part C:****Task Cards** |  |
|  | **1.**  | **c.** |
|  | **2.** | **e.** |
|  | **3.** | **a.** |
|  | **4.** | **b.** |
|  | **5.**  | **d.** |