Review Reminders Sig Figs and Sci Not

**Finding correct amount of Sig Figs a Number has:**

* *With decimal point =start counting from Pacific side*
* *Without decimal point = start counting from Atlantic Side*

**Writing a number in Sci Not:**

* *Only one number can be to the left of the decimal point*
* *If the decimal place needs to be moved to the left the exponent goes up (to bigger number)*
* *If the decimal place needs to be moved to the right the exponent goes down (to smaller number)*

**Operations in Sci Notation**

|  |  |
| --- | --- |
| **operation** | **rule** |
| Adding in sci not | **Exponent must be the same.** Then add big #’s (coefficients) and bring down exponent to answer |
| Subtracting in sci not | **Exponent must be the same.** Then subtract big #’s (coefficients) and bring down exponent to answer |
| Multiplying in sci not | **Add exponents.** Multiply big #’s (coefficients) and add exponents for answer |
| Dividing in sci not | **Subtract exponents.** Divide big #’s (coefficients) and subtract exponents for answer |
|  | * **Make sure answer has only one digit to the left of the decimal point** |

**Operations : Finding correct number of sig figs**

|  |  |
| --- | --- |
| **operation** | **rule** |
| Adding #’s to correct sig figs | **Stack numbers.** Draw a line down behind the number with the fewest places. Add #’s. Round the number before the line in the answer. |
| subtracting #’s to correct sig figs | **Stack numbers.** Draw a line down behind the number with the fewest places. Subtract #’s. Round the number before the line in the answer. |
| Multiplying #’s to correct sig figs | **Identify how many sig figs are in each number in the question.**  Multiply #’s. Write answer in fewest sig figs in question. Round. |
| Dividing #’s to correct sig figs | **Identify how many sig figs are in each number in the question.**  Divide #’s. Write answer in fewest sig figs in question. Round. |