**What about the Exponent?**

 y = a • bx \_\_\_ usually represents \_\_\_\_\_\_\_.

 In order to find the correct exponent value;

 Step 1.) Identify the Growth or Decay \_\_\_\_\_\_\_.

 Step 2.) Apply to the \_\_\_\_\_\_\_\_\_\_ (x).

 **Example:**

 Something increases at a rate of 25% per year.

 Growth/Decay Units? \_\_\_\_\_\_\_\_

 So after 4 years, how much has it grown?

 What would our exponent (x) be? \_\_\_\_\_

 After 6 months, how much has it grown?

 What would our exponent (x) be? \_\_\_\_\_

 **Sometimes we have to convert the question into the units**

 **in the original problem.**

**Unit Conversions**:

Growth/Decay Units: \_\_\_\_\_\_ Growth/Decay Units: \_\_\_\_\_

Exponent Value if: Exponent Value if:

 4 years: \_\_\_\_\_ 4 years: \_\_\_\_\_

 8 months: \_\_\_\_\_ 6 months: \_\_\_\_\_

 18 months: \_\_\_\_\_

Growth/Decay Units: \_\_\_\_\_ Growth/Decay Units: \_\_\_\_\_

Exponent Value if: Exponent Value if:

 8 days: \_\_\_\_\_ 2 days: \_\_\_\_\_

 2 years: \_\_\_\_\_ 27 mins: \_\_\_\_\_