



## Moving Inside an Expression



To do almost anything you will have to enter an expression into LiveMath. Unfortunately, LiveMath does not come with voice recognition, which means you must type in your expression.

LiveMath comes with many templates available on the palette which you can use to enter your expression. You can also create these templates through keyboard shortcuts. Eventually you will need to type. There are several things to keep in mind:

1) The arrow keys and the tab key will move you around the templates.



Here is an expression:

$$\square 2x^2 + 1 + \frac{e^{4x} \square 1}{\sqrt{x^3 + 1} \square e^{5x}} + x$$



Click your cursor right in front of the **2**. Start pressing your right arrow key on your keyboard....slowly. Watch where the cursor jumps as you press the right arrow key.

The cursor may even jump completely over the large fraction. If that happens click the cursor in the numerator right in front of the **e**. Then press the right arrow key again.

The cursor may stay in the numerator and not jump to the denominator. If that happens then click your cursor into the denominator right in front of the  $\sqrt{\quad}$ . Start pressing the right arrow key again.



**Do it again**

$$\square 2x^2 + 1 + \frac{e^{4x} \square 1}{\sqrt{x^3 + 1} \square e^{5x}} + x$$



This time try the tab key. Click the cursor in the numerator right in front of the **e** in the numerator. Press the tab key several times...slowly. Watch what gets highlighted.



Click the cursor after the **1** in the numerator. Press the tab key several times.



Position the cursor somewhere in the expression. Use the tab key and the left and right arrows together.

Where does the cursor go?

What highlights?

$$\square 2x^2 + 1 + \frac{e^{4x} \square 1}{\sqrt{x^3 + 1} \square e^{5x}} + x$$