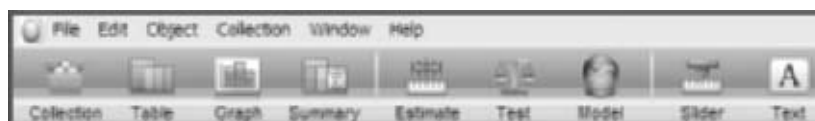Name: _____ Date: _____

Using a Random Number Generator in Fathom™

This worksheet will show you how to use a number generator in Fathom™. These directions can be used for the Tech Tip on pages 14–15 and the Tech Tip on page 31 in Chapter 1.

Note: The screen shots shown were created using Fathom 2. If you are using Fathom 1, the instructions will work properly; however, your screen shots may look slightly different.
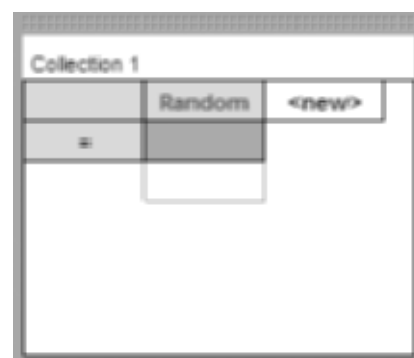
1. Open Fathom™. The tool shelf is just below the usual Windows pull-down menus.

2. Drag a new Case Table (the icon labelled **Table**) from the tool shelf to the workspace.

3. Double-click on **<new>** and type a name such as **Random**. Press **Enter**.

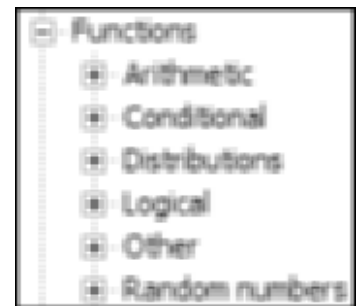**4.** Right-click in the space below Random and select **Show Formulas**.

Name: _____ Date: _____

5. Double-click in the formula box. The calculator
box will appear, as shown.

6. Click on the **+** to expand Functions.

Then, click on the **+** to expand Random Numbers.

7. Scroll down, and double-click on
randomInteger.
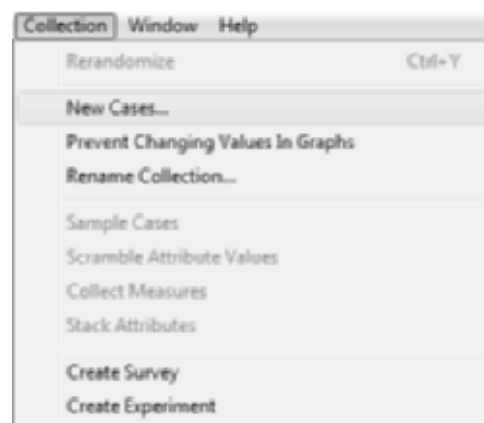The function randomInteger() will appear
in the formula box.

Name: _____ Date: _____

8. Type **1,6** between the brackets. Fathom™ will automatically insert a space after the comma.

9. Press **OK**.

10. From the **Collection** menu, select **New Cases…**.

11. Type **5**, and select **OK**.

Five random integers between 1 and 6 will be displayed. This simulates 5 rolls of a die.

You can simulate tossing a coin by replacing 1,6 with 1,2.

You can simulate choosing the suit of a card by replacing 1,6 with 1,4.

You can simulate choosing the value of a card by replacing 1,6 with 1,10.

You can simulate choosing an exact card by replacing 1,6 with 1,52.

You can simulate selecting an integer between 1 and 9 by replacing 1,6 with 1,9.

12. If you want to simulate rolling the die 5 more times, go to the **Collection** menu and select **Rerandomize**.

Five new random integers between 1 and 6 will be displayed.
You can also rerandomize using the shortcut **CTRL Y**.