This Word Document contains various Math problems created using the MathType software from Design Science. In order to read this effectively with JAWS or Fusion, you must do the following.

* Make sure you are running JAWS 2019.1904.60 or Fusion 2019.1904.22 or higher along with Microsoft Word from Office 365.
* Install MathType from: <http://www.wiris.com> and activate the software as a trial or actual license.
* In Settings Center, make sure the "Use Accessibility Driver for Screen Capture" check box is selected.

For more details about MathType, please visit: <http://www.dessci.com/en/products/mathtype/>

Once you have the above criteria met, you can navigate to the formulas in this document, and while the cursor is on the formula, press the JAWS layered command: **INSERT+SPACEBAR, =**.

**Note:** The first time you do this, there will be a bit of a delay before the Math Viewer (described below) opens. It will we faster on subsequent uses.

This will put you into a JAWS generated Math Viewer and insert the equation into this viewer. You can then navigate and pressing **ENTER** on the various components, drill down into individual sections of the equation using the **ARROW** keys. When you press **UP ARROW**, you will move back one level. Say Line (**INSERT+UP ARROW**) will also read the details.

With a refreshable Braille Display, and JAWS set to Contracted English US or UEB, the math equation will also be output in Nemeth for English Language versions.

## Elementary math in a table

Note that in Row 3, column 1, 2, and 3, you will find equations referred to as tables. Moving the cursor to them and pressing **INSERT+SPACEBAR,=** will present them in the Math Viewer also.

| Addition | Subtraction | Multiplication | Division |
| --- | --- | --- | --- |
|  |  |  |  |
|    |  |  |  |

## Various layouts of math islands within text

1. Angles *W* and *U* are supplementary. If , what is the measure of ?

2. Which expression is true?

1. 
2. 
3. 
4. 

3. Please solve for *x*.

1. 
2. 

3. Please simplify and solve using the order of operations.

1. 
2. 
3. 

4. What is the unit price per apple if it costs $3 for a bag of 7 apples? Round to the nearest cent.

First, write the rate as a fraction: $3 for seven tomatoes is 

Then, divide both the numerator and the denominator by 7 and simplify: 

Now you know that the unit price of each apple is approximately $0.43, or 43 cents.

5. Fibonacci Numbers: a special sequence of integers that satisfy the recurrence  with the initial conditions  and  .

6. The Distance Formula: The distance between points  and  is given by the formula:



7. is the set of all real numbers: 

8. is the set of all integers: 