## Math Trades 1

Activity \#3-Decimals

Name $\qquad$

Refer to the structural shapes from the fraction activity in which you determined the dimensions in fraction form. Convert each of your dimensions to decimals.

The labelling is as follows: A - Angle Iron; T - Rectangular Tubing; FB - Flat Bar


FB3


Utilize the pages provided by your instructor from www.ryerson.com to determine the weight of each part. List the weight per foot in lbs that you find in the Ryerson stock list in the first column below. Fill in the remaining columns.
(Hints: To convert the weight from pounds per foot to pounds per inch, divide the factor given by 12. To convert the weight from pounds to ounces, multiply by 16)

| Part | Weight per foot in <br> pounds | Weight per inch in <br> pounds | Length of part in <br> inches | Weight of part in <br> pounds | Weight of the part <br> in ounces (round to <br> hundredths place) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| A1 |  |  |  |  |  |
| A2 |  |  |  |  |  |
| T1 |  |  |  |  |  |
| T2 |  |  |  |  |  |
| FB1 |  |  |  |  |  |
| FB2 |  |  |  |  |  |
| FB3 |  |  |  |  |  |

Verify your weight calculated using a scale provided by your instructor. (parts may weigh $\pm .05$ ounces or a little more)

| Part | Weight of the part in <br> ounces using scale |
| :---: | :---: |
| A1 |  |
| A2 |  |
| T1 |  |
| T2 |  |
| FB1 |  |
| FB2 |  |
| FB3 |  |

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