**“I can” Statements**

**Grade 5 – Unit 1**

**Place Value with Decimals**

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| I can… | Standard |
| * recognize that in a multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right and 1/10 of what it represents in the place to its left.

Examples:* 555.55
* 5 in the ones place represents “5” and a 5 in the

 tens place represents “50” (5 x 10)* 5 in tens place represents ten times the value of the 5 in the ones place
* 5 in the ones place represents 1/10 the value of the 5 in the tens place
* As you move one place value to the left, the value is 10 times as much
* As you move one place value to the right, the value is 1/10 as much
 | 5.NBT.1 |
| * identify numbers that are powers of ten and write them in standard and exponential form.

Ex. 1,000 = 10 x 10 x 10 = 103* use and explain patterns in the number of zeros of the product when multiplying a number by powers of 10.

 Ex. 78 x 10 = 780; 78 x 100 = 7,800* use and explain patterns in the placement of the decimal point when a decimal is multiplied or divided by a power of 10.

 Ex. 4.5 x 10 = 45; 7.83 ÷ 10 = 0.783 * Multiply by 10, decimal moves one place

 value to the right* Divide by 10, decimal moves one place value to the left
 | 5.NBT.2 |
| * read decimals to the thousandths place.

 Ex. 7.402  Say “seven and four hundred two thousandths”* write decimals to the thousandths place in standard form.

 Ex. “Six and thirty-four hundredths”  = 6.34 in standard form* write decimals to the thousandths place in expanded form.

 Ex. 4,932 = 4,000 + 900 + 30 + 2* use place value to compare decimals using <, >, =

 Ex. 8.34 > 8.2; 9.12 < 9.21; 75.6 = 75.60 | 5.NBT.3 |
| * use my understanding of place value to round decimals to any place.

 Ex. 7.65 rounds to 7.7; 6.342 rounds to 6.34 (also 6.3) | 5.NBT.4 |
| **Vocabulary:**tenths, hundredths, thousandths, exponents, Powers of 10 decimal point, expanded notation, data set |  |