

Weekly Lesson Plans
WIDA Content and Language Objectives
Strong Middle School

Mr. Wilkie
8th-Grade Math

| March 14th-18th 2016 | Monday | Tuesday | Wednesday | Thursday | Friday |
|-------------------------------|--|---|---|--|--|
| Content Objective | SW demonstrate analysis of areas and circumferences of circles by completing real world problem using the 4-Step Problem solving strategy. | SW demonstrate knowledge of converting a fraction to a decimal to a percent by practicing problem in math notebook. | SW demonstrate application of fractions and decimals by discovering that all fractions can be either a terminating or repeating decimal (Problem 4.2) | SW demonstrate knowledge of converting a repeating decimal to a fraction using algebra in math notebook. | SW demonstrate application of converting decimals to fractions using algebra (Problem 4.3) |
| Language Objective | Collins Writing weigh specific FCAs. Step 4 involves restating and making sense of solution. | SW complete the following sentence stems: Fractions can be converted to a decimal and percent by _____. | SW write their answer to the following focus question: Why can you represent every fraction as a terminating or repeating decimal? | Students will summary sentence stems on math vocabulary below. | <u>Focus Question:</u> Can you represent every terminating or repeating decimal as a fraction? |
| Weekly Vocabulary | Circle, Pi, Circumference, Area, Diameter, Radius. Circumference equation, Area equation | rational number, repeating decimals, terminating decimals | rational number, repeating decimals, terminating decimals | rational number, repeating decimals, terminating decimals | rational number, repeating decimals, terminating decimals |
| CCS covered and Strand | 7.G.B.4 Know formulas for area and circumference of circles and apply them | 8.NS.A Know that there are numbers that are not rational and approximate them. | 8.NS.A Know that there are numbers that are not rational and approximate them. | 8.EE.6 Solve linear pairs and equation | 8.EE.6 Solve linear pairs and equation |

Monday: 4-Step (Area and Circumference) **Tuesday:** Converting Fractions to decimals to percents
Wed: Problem 4.2 **Thurs:** Converting Decimals to Fractions **Friday:** Problem 4.3