

Strand: I know that there are numbers that are not rational, and approximate them by rational numbers			
Standard 8.NS.1: I know that numbers that are not rational are called irrational.			
<p>Learning Targets</p> <ul style="list-style-type: none"> Understand that every number has a decimal expansion. Show rational and decimal expansion, including repeats. Understand that finite decimal expansions of irrational numbers are approximations. Convert a decimal expansion, which repeats eventually, into a rational number. 	<p>Academic Vocabulary & Notation</p> <ul style="list-style-type: none"> repeating decimals, non-repeating decimals, terminating decimals, integer, estimate, rational, inverse, ratio, whole number, decimal, fraction, order of operations, number line, decimal expansion, pi, radical symbol, radicand, π, $\sqrt{\quad}$ 	<p>Question Stems</p> <ul style="list-style-type: none"> What mathematics were you investigating? What questions arose as you worked? 	<p>Possible Assessments</p> <ul style="list-style-type: none"> District CFA Number System Form A District CFA Number System Form B District CFA Number System Form C District CFA Number System Form GVC
Standard 8.NS.2: I use rational approximations of irrational numbers to compare the size of irrational numbers.			
<p>Learning Targets</p> <ul style="list-style-type: none"> Locate rational and irrational numbers on number line and estimate values . Compare and order irrational numbers 	<p>Academic Vocabulary & Notation</p> <ul style="list-style-type: none"> rational, irrational, decimal expansion, square root, truncating, rounding, $\sqrt{\quad}$, π 	<p>Question Stems</p> <ul style="list-style-type: none"> What did you learn today? What were the steps involved? 	<p>Possible Assessments</p> <ul style="list-style-type: none"> District CFA Number System Form A District CFA Number System Form B District CFA Number System Form C District CFA Number System Form GVC
Standard 8.NS.3: I can perform operations and simplify radicals with an emphasis on square roots.			
<p>Learning Targets</p> <ul style="list-style-type: none"> Simplify radicals by getting an exact answer in simple radical form. 	<p>Academic Vocabulary & Notation</p> <ul style="list-style-type: none"> rational, irrational, decimal expansion, square root, truncating, rounding, $\sqrt{\quad}$, π, simple radical form 	<p>Question Stems</p> <ul style="list-style-type: none"> When is it best to estimate an answer? When is it best to get an exact answer? 	<p>Possible Assessments</p> <ul style="list-style-type: none"> District CFA Number System Form A District CFA Number System Form B District CFA Number System Form C District CFA Number System Form GVC