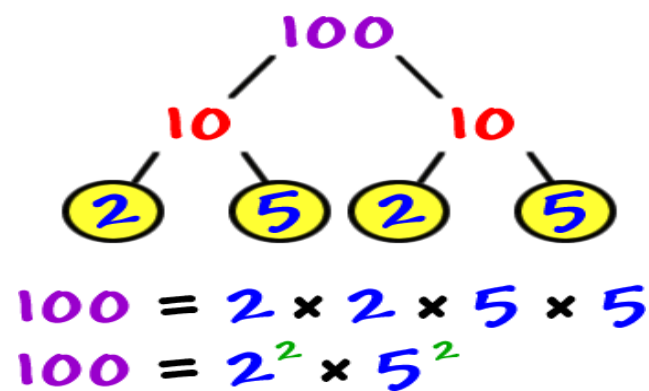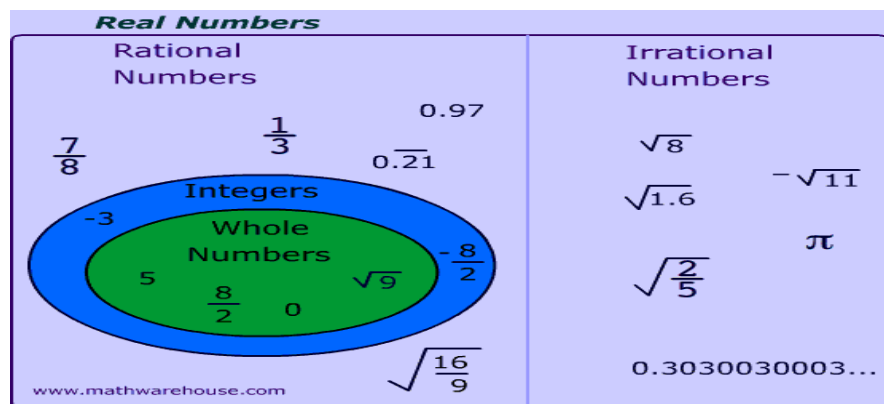**MGSE8.NS.1** & **MGSE8.NS.2** Learning Targets/Essential Questions:

What is the difference between rational and irrational numbers? • Why do we approximate irrational numbers? • How do we locate approximate locations of irrational numbers on a number line and estimate the values of irrational numbers?

Term: Rational Number	Definition:	Example:
Term: Irrational Number	Definition:	Example:
Term: Prime Factorization	Definition:	Example:

MGSE8.NS.1 & **MGSE8.NS.2** Learning Targets/Essential Questions:

What is the difference between rational and irrational numbers? • Why do we approximate irrational numbers? • How do we locate approximate locations of irrational numbers on a number line and estimate the values of irrational numbers?

Irrational Roots	Between Which 2 consecutive whole Numbers	Place on Number Line	Rounded/ Approx. to Nearest Tenth	Simplified
$\sqrt{5}$				
$\sqrt{20}$				
$\sqrt{120}$				
$\sqrt[3]{16}$				
$\sqrt[3]{250}$				