

# Thank you for previewing the Rational or Irrational Number Worksheets!

If you encounter an issue, whether a typo or a mathematical error or something else, PLEASE contact me and I will be more than happy to help sort it out. I want you to enjoy this product to the fullest. You can email me here: [johanna@misskuipersclassroom.com](mailto:johanna@misskuipersclassroom.com)

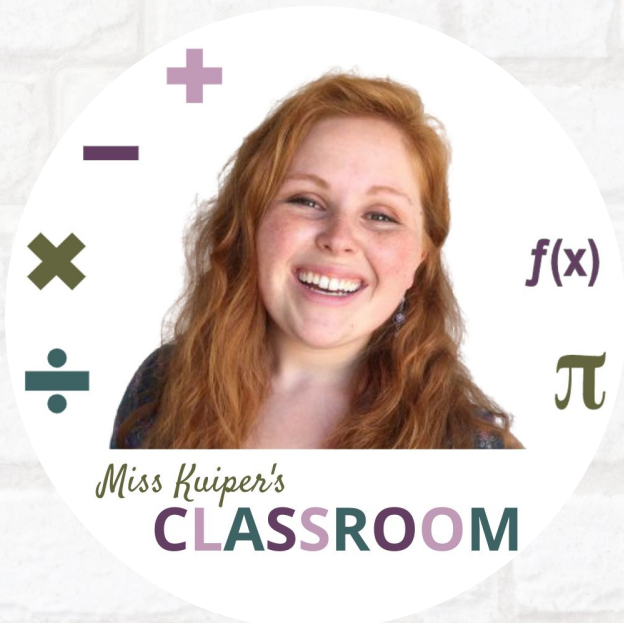


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8th Grade Math Activities

Algebra 1 Activities

Free Resources



# Worksheet 1

## The Number System

Name: \_\_\_\_\_ Per: \_\_\_\_\_

**Learning Target:** I can classify a number as rational or irrational and explain my thinking.

### Academic Vocabulary

Rational Number	A rational number is a number that can be made by _____ _____.
Irrational Number	An irrational number means " _____ " which means it cannot be made by _____.

Identify if the number is **rational** or **irrational**. Briefly explain why.

$\frac{2}{5}$	
$\sqrt{9}$	
$\frac{3}{8}$	
0.5	
$\sqrt{17}$	
$\frac{14}{\sqrt{16}}$	
42,387	

**Classifying Numbers are  
Rational or Irrational**

ones above to help you out!

Examples of Rational Numbers	Examples of Irrational Numbers

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# Worksheet 2

## The Number System

Name: \_\_\_\_\_ Per: \_\_\_\_\_

**Learning Target:** I can convert a decimal into a fraction by using tenths, hundredths, thousandths, etc.

Label each of the place values after the decimal point.

• \_\_\_\_\_

Convert each decimal to a fraction.

Decimal	Tenths	Hundredths	Thousandths	"We Say"	Fraction
.3	3			3 tenths	$\frac{3}{10}$
.9					
.27					
.73					
.597					

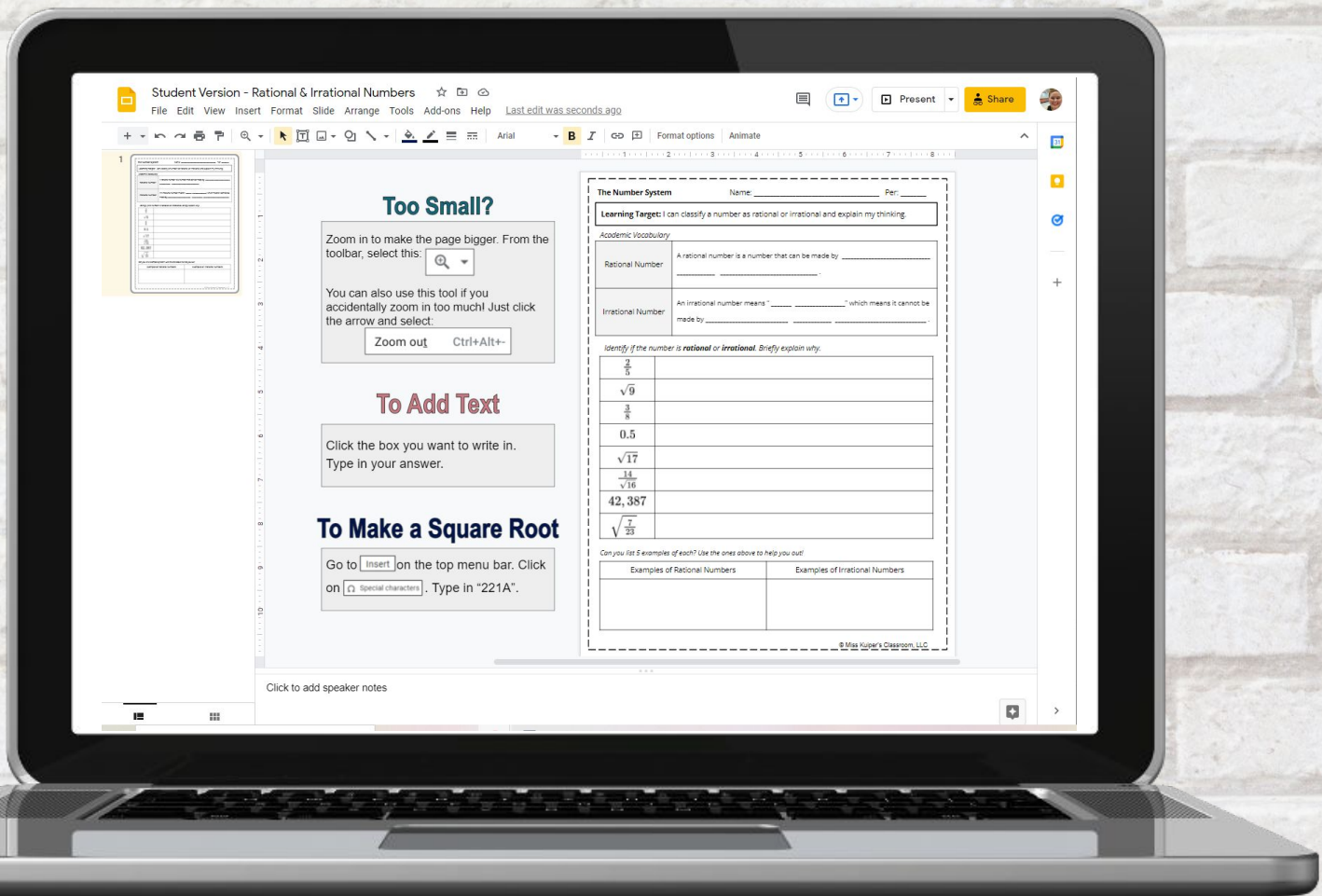
Convert each decimal to a fraction. Then simplify the fraction.

Decimal	Tenths	Hundredths	Thousandths	"We Say"	Fraction and Simplify
.25	2	5		25 hundredths	$\frac{25}{100} = \frac{1}{4}$
.325					
.84					

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Converting decimals  
into fractions

# Digital Version

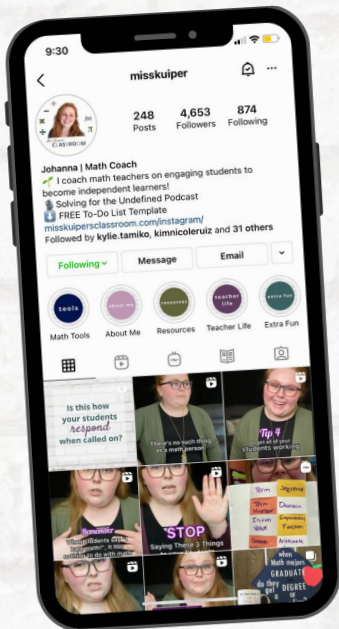


Same as the printable worksheets.  
Includes tech tips for students!



# What's Next?

You can read about how to reach your low-level learners and build them up to grade-level!



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