

# MATH TEKS TEST REVIEW



a complete 10+ day test prep unit

## comprehensive, ready-to-go test review unit

### MATH TEKS REVIEW INSTRUCTIONS AND IMPLEMENTATION

#### TABLE OF CONTENTS

The following items have been included in the Math TEKS Review pack.

TOPIC	STANDARDS	ACTIVITY
Numerical Representations	6.2A, 6.2B, 6.2C, 6.2D, 6.2E, 6.11A	Stations
Rational Number Operations	6.3A, 6.3B, 6.3C, 6.3D, 6.3E	Cut and Paste
Proportionality	6.4C, 6.4D, 6.4E, 6.4G, 6.5A	He Said, She Said
Percents	6.4F, 6.5B, 6.5C	Scavenger Hunt
Algebraic Representations	6.4H, 6.6A, 6.6B, 6.6C	Four Corners
Expressions	6.7A, 6.7B, 6.7C, 6.7D	Puzzle
Equations and Inequalities	6.9A, 6.9B, 6.9C, 6.10A, 6.10B	Spin to 10
Geometry and Measurement	6.8A, 6.8B, 6.8C, 6.8D	Task Cards
Data and Statistics	6.12A, 6.12B, 6.12C, 6.12D, 6.13A, 6.13B	Find It and Fix It
Personal Financial Literacy	6.14A, 6.14B, 6.14C, 6.14E, 6.14F, 6.14G, 6.14H	Stations

Additionally, the same content has been formatted for easier printing by placing all of the like materials in one file. For example, all of the quizzes together, all of the activities together, all of the warm-ups together, etc.

Activities Only.pdf	✓	Yes
Cheat Sheets Only.pdf	✓	Yes
Quick Checks Only.pdf	✓	Yes
Teacher Guides Only.pdf	✓	Yes
Warm-Ups Only.pdf	✓	Yes

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## NUMERICAL REPRESENTATIONS TEACHER GUIDE

### STANDARDS

#### READINESS

- 6.2D Order a set of rational numbers arising from mathematical and real-world contexts
- 6.11A Graph points in all four quadrants using ordered pairs of rational numbers

#### SUPPORTING

- 6.2A Classify whole numbers, integers, and rational numbers using a visual representation such as a Venn diagram to describe relationships between sets of numbers
- 6.2B Identify a number, its opposite, and its absolute value
- 6.2C Locate, compare, and order integers and rational numbers using a number line
- 6.2E Extend representations for division to include fraction notation such as  $a/b$  represents the same number as  $a \div b$  where  $b \neq 0$

### VOCABULARY & KEYWORDS

- absolute value:** the distance a number is away from zero
- coordinate plane:** the plane containing the x- and y-axes
- integer:** a positive or negative whole number
- opposite:** two integers can be opposites if they are equal distance away from zero on the number line but on different sides of zero
- origin:** the point (0, 0); where the x- and y-axes intersect
- quadrant:** four regions on the coordinate plane
- rational number:** a number that can be written as a fraction, as a terminating decimal or as a repeating decimal
- subset:** a set of which all the elements are also contained in another larger set
- whole number:** a positive counting number starting with 0

### COMMON MISTAKES & MISCONCEPTIONS

- Students may overlook negative numbers.
- Students may not classify a number correctly if it "looks" like another number. Ex: 6.0
- Students may mistake the various quadrants of the coordinate plane or confuse the x- and y-coordinates.

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teacher guides includes:



standards



vocabulary



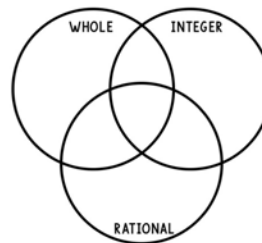
misconceptions

## NUMERICAL REPRESENTATIONS WARM-UP

Name \_\_\_\_\_  
Date \_\_\_\_\_ Pd \_\_\_\_\_

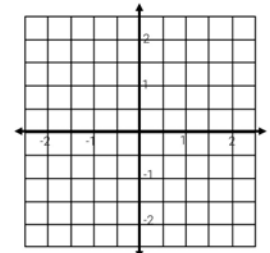
1. Place the following numbers in the appropriate section below.

$-\frac{2}{5}$  -7.8  $\frac{1}{10}$  13 1.0 -5  $-\frac{8}{4}$



2. Plot and label the following points on the coordinate plane below.

A ( $1\frac{1}{2}$ , -2) B ( $-2, -\frac{1}{2}$ ) C ( $\frac{1}{4}, \frac{3}{4}$ )



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2 warm-up  
questions  
per topic

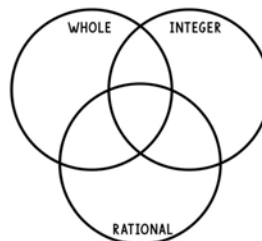


## NUMERICAL REPRESENTATIONS WARM-UP

Name \_\_\_\_\_  
Date \_\_\_\_\_ Pd \_\_\_\_\_

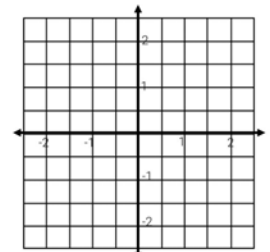
1. Place the following numbers in the appropriate section below.

$-\frac{2}{5}$  -7.8  $\frac{1}{10}$  13 1.0 -5  $-\frac{8}{4}$



2. Plot and label the following points on the coordinate plane below.

A ( $1\frac{1}{2}$ , -2) B ( $-2, -\frac{1}{2}$ ) C ( $\frac{1}{4}, \frac{3}{4}$ )



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# MATH TEKS TEST REVIEW



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cheat sheets cover  
key concepts

**NUMERICAL REPRESENTATIONS**  
CHEAT SHEET - A

Name \_\_\_\_\_  
Date \_\_\_\_\_ Pd \_\_\_\_\_

**RATIONAL NUMBERS**

The **ABSOLUTE VALUE** of a number is the **DISTANCE AWAY FROM ZERO** on the number line.

POINT	NUMBER	OPPOSITE	ABSOLUTE VALUE
A	-1	1	1
B	3	-3	3
C	5	-5	5
D	-3	3	3

A. **WHOLE**: positive counting numbers starting with 0  
 B. **INTEGER**: whole numbers and their opposites  
 C. **RATIONAL**: fractions, repeating decimals, terminating decimals

**NUMERICAL REPRESENTATIONS**  
CHEAT SHEET - B

Name \_\_\_\_\_  
Date \_\_\_\_\_ Pd \_\_\_\_\_

**RATIONAL NUMBERS**

**ORDERING RATIONALS & INTEGERS**

**PUT THE NUMBERS IN THE SAME FORM FIRST!**

- For example, convert all numbers to decimals before ordering.

**EXAMPLE 1:**  
Order from greatest to least  
-4, 3, -1, -7, 4

**EXAMPLE 2:**  
Order from least to greatest  
5.2,  $5\frac{1}{4}$ , 555%, 5.07

A. \_\_\_\_\_: positive counting numbers starting with 0  
 B. \_\_\_\_\_: whole numbers and their opposites  
 C. \_\_\_\_\_: fractions, repeating decimals, terminating decimals

The \_\_\_\_\_ of a number is the \_\_\_\_\_ on the number line.

POINT	NUMBER	OPPOSITE	ABSOLUTE VALUE
A	-1	1	1
B	3	-3	3
C	5	-5	5
D	-3	3	3

**NUMERICAL REPRESENTATIONS**  
CHEAT SHEET - C

Name \_\_\_\_\_  
Date \_\_\_\_\_ Pd \_\_\_\_\_

**RATIONAL NUMBERS**

**ORDERING RATIONALS & INTEGERS**

**PUT THE NUMBERS IN THE SAME FORM FIRST!**

- For example, convert all numbers to decimals before ordering.

**EXAMPLE 1:**  
Order from greatest to least  
-4, 3, -1, -7, 4

**EXAMPLE 2:**  
Order from least to greatest  
5.2,  $5\frac{1}{4}$ , 555%, 5.07

**ABSOLUTE VALUE**

**COORDINATE PLANE**

3 scaffolded  
versions



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## assessments with 8-10 questions

### NUMERICAL REPRESENTATIONS QUICK CHECK

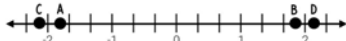
Name \_\_\_\_\_  
Date \_\_\_\_\_ Pd \_\_\_\_\_

1. Meredith must order the cards from greatest to least. Which list is correct?



- A. -1.55, -1.5, -1.05, -1.0  
B. -1.0, -1.05, -1.55, -1.5  
C. -1.0, -1.05, -1.5, -1.55  
D. -1.5, -1.55, -1.0, -1.05

2. The following numbers are placed on a number line. Which of the following best represents point A?



- F.  $-2\frac{1}{8}$   
G.  $-1\frac{7}{8}$   
H.  $2\frac{1}{8}$   
J.  $1\frac{7}{8}$

- 1. (A) (B) (C) (D)
- 2. (F) (G) (H) (J)
- 3. (A) (B) (C) (D)
- 4. (F) (G) (H) (J)
- 5. (A) (B) (C) (D)
- 6. (F) (G) (H) (J)
- 7. (A) (B) (C) (D)
- 8. (F) (G) (H) (J)
- 9. (A) (B) (C) (D)
- 10. (F) (G) (H) (J)

3. The table below shows the number of miles run each day of the week. Which list shows the number of miles run in order from least to greatest?

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
$3\frac{1}{3}$	$2\frac{2}{5}$	$3\frac{3}{8}$	$3\frac{1}{2}$

- A. Monday, Thursday, Wednesday, Tuesday  
B. Thursday, Tuesday, Wednesday, Monday  
C. Monday, Wednesday, Tuesday, Thursday  
D. Tuesday, Monday, Wednesday, Thursday

4. Jillian tracks her progress on her spelling tests over a period of four weeks. Which list shows her greatest to least?

WEEK 1	WEEK 2	WEEK 3	WEEK 4
$\frac{25}{30}$	$\frac{11}{15}$	82%	0.78

- F. Weeks 1, 3, 2, 4  
G. Weeks 3, 1, 4, 2  
H. Weeks 3, 1, 2, 4  
J. Weeks 1, 3, 4, 2

5. Which of the following sets do not represent equivalent expressions?

- A.  $18 \div 6$  and  $6\sqrt{18}$   
B.  $12\sqrt{36}$  and  $\frac{12}{36}$   
C.  $24 \div 8$  and  $\frac{24}{8}$   
D.  $5 \div 2$  and  $\frac{5}{2}$

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- ✓ multiple choice
- ✓ griddable
- ✓ Google Forms™ version included

NUMERICAL REPRESENTATIONS  
ANSWER KEYS

answer keys  
included



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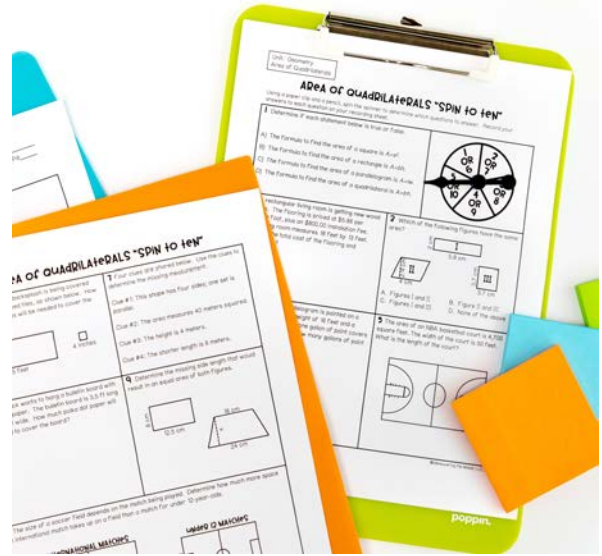


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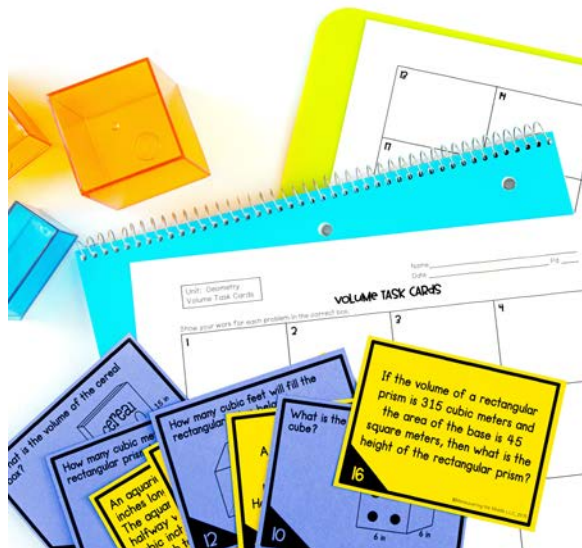
## 10 easy-to-prepare activities



**he said, she said**  
error analysis activity



**spin to ten**  
great for partner work



**task cards**  
variety of uses



**puzzle activity**  
make math hands-on

scavenger hunt - task cards - he said, she said - find it, fix it - stations  
spin to ten - four corners - puzzle activity - cut and paste

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