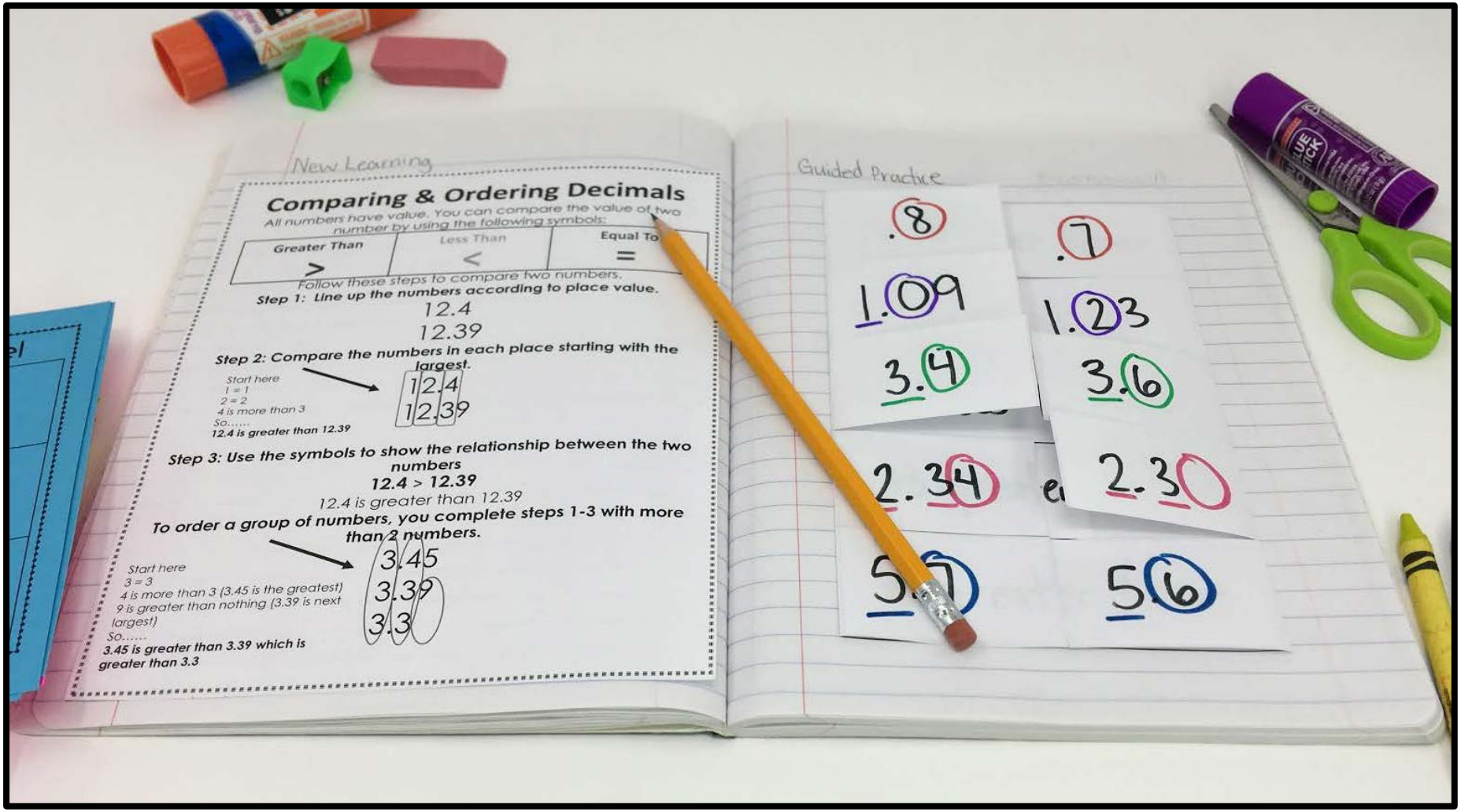
# Decimals Interactive Math Notebook




## Activities to TEACH, REINFORCE and ASSESS each skill

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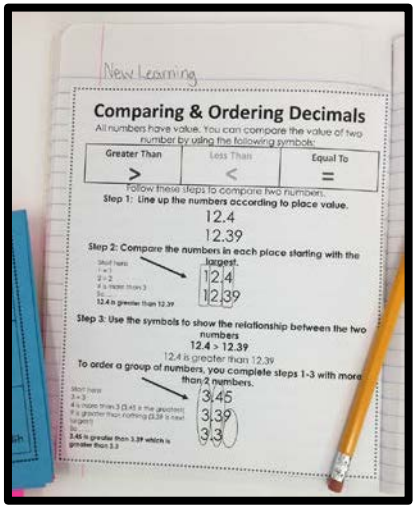
# What's Included?

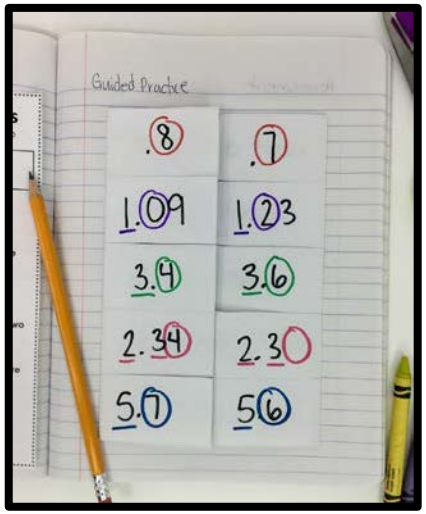
Each skill has these four elements:

## Anchor Chart



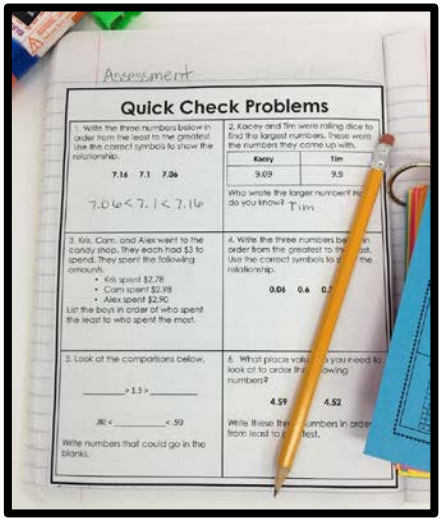

Great tool to introduce new math skill to students. Student friendly and fits perfectly in journals.

## Interactive Foldable



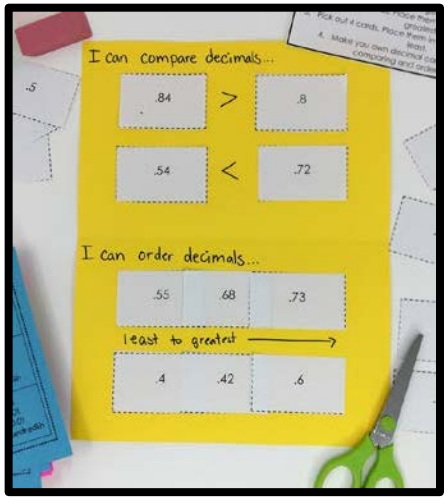

Works great as guided practice and gives students an interactive opportunity to practice the new skill.

## Exit Ticket




Great way to assess students at the end of the lesson or to use as a spiral review a few weeks after the lesson is taught.

## Extension Activity




Works great as early finisher work or in a math work station.

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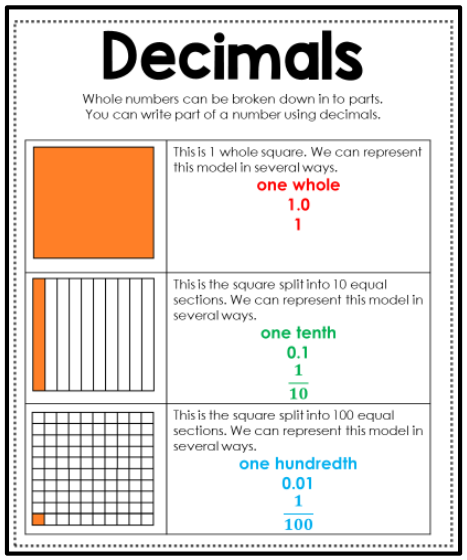
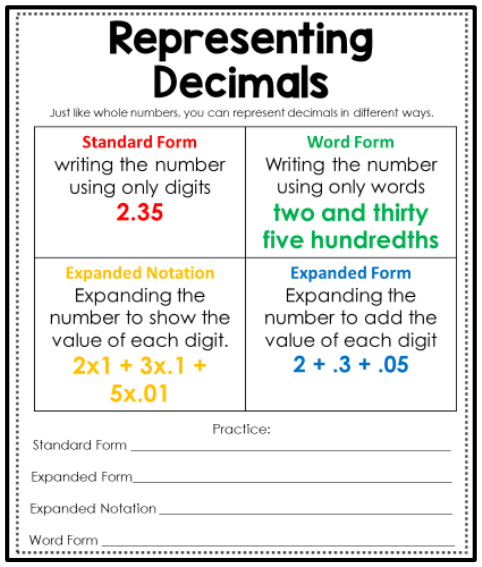
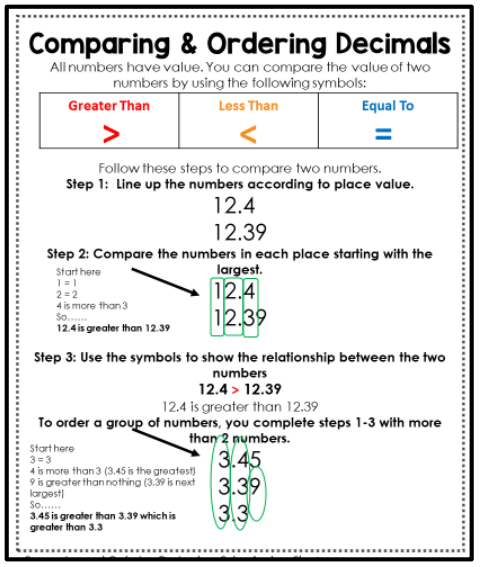
# What Skills are Covered?



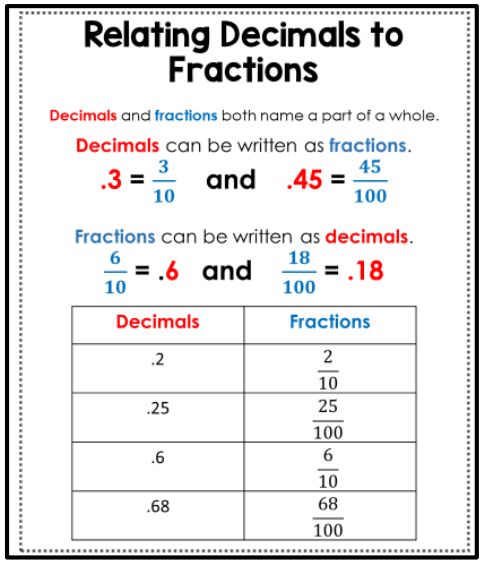

Decimals



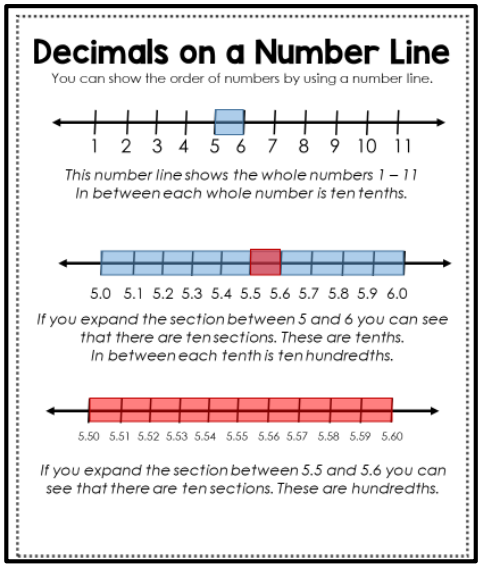

Representing Decimals




Comparing Decimals




Decimals to Fractions




Decimals on a Number Line

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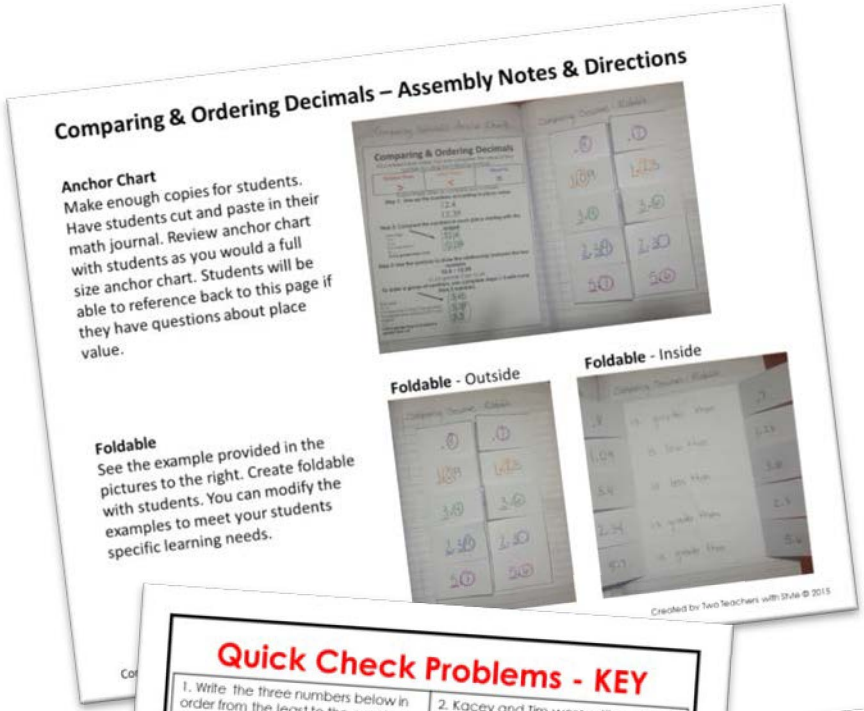
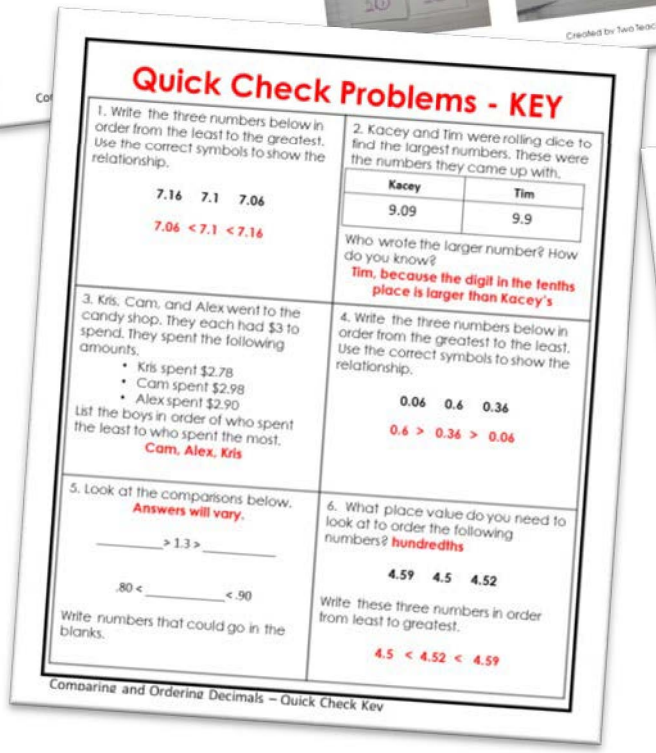
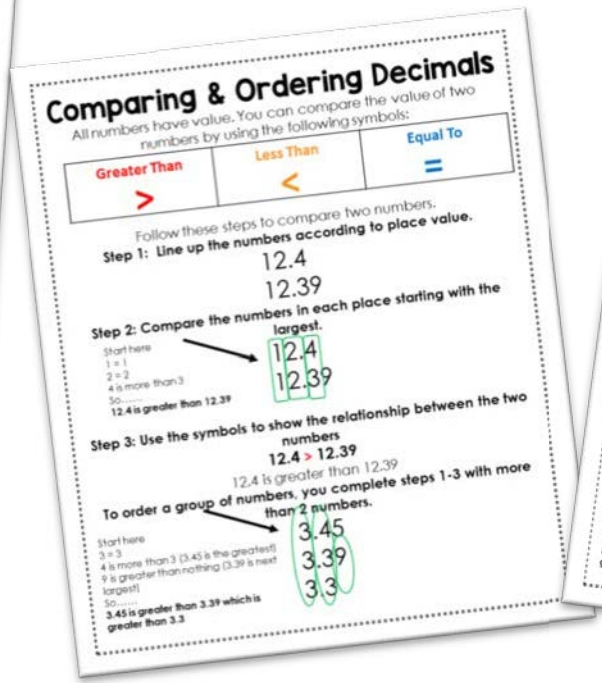
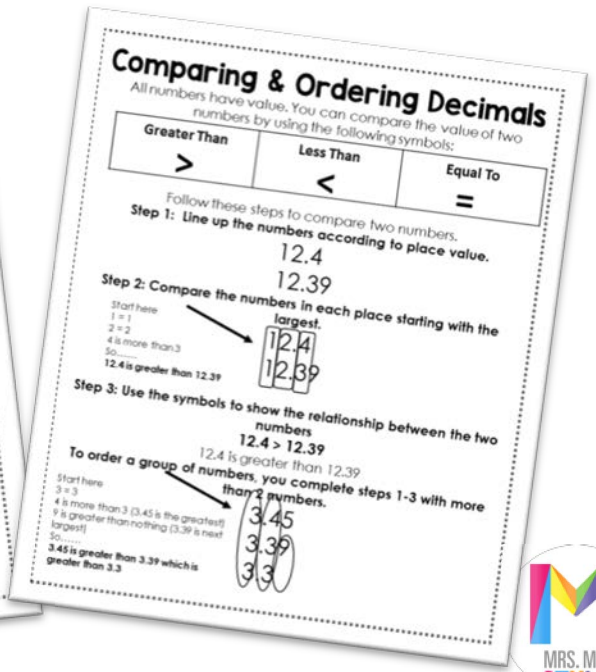
# Additional Features




- Includes **assembly notes** and **directions** for each entry
- Includes **answer key** for each exit ticket
- Includes **black and white** or **color options** for each anchor chart

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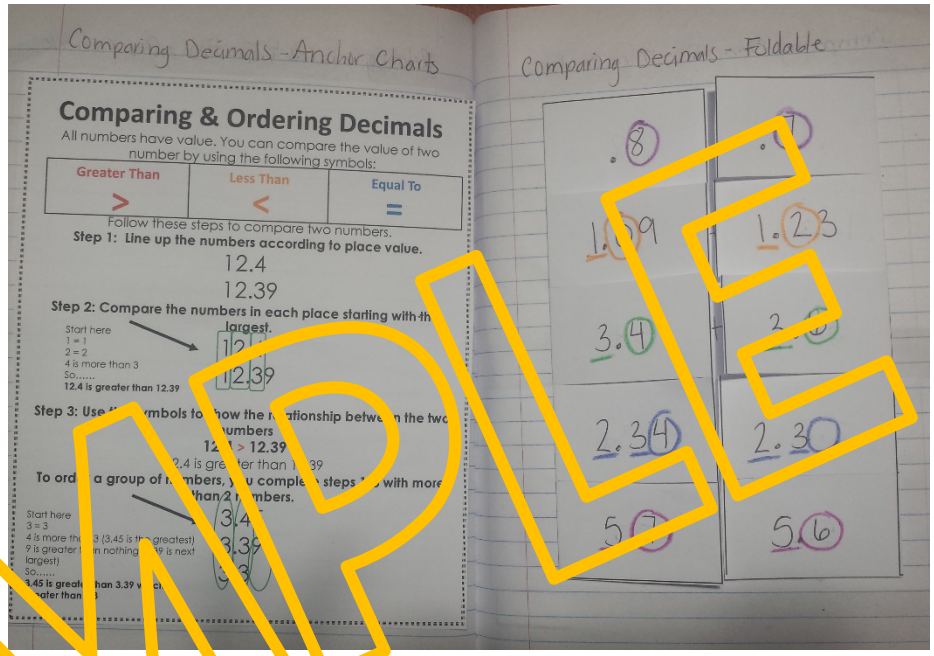
# Comparing & Ordering Decimals – Assembly Notes & Directions

**Anchor Chart**

Make enough copies for students. Have students cut and paste in their math journal. Review anchor chart with students as you would a full size anchor chart. Students will be able to reference back to this page if they have questions about place value.

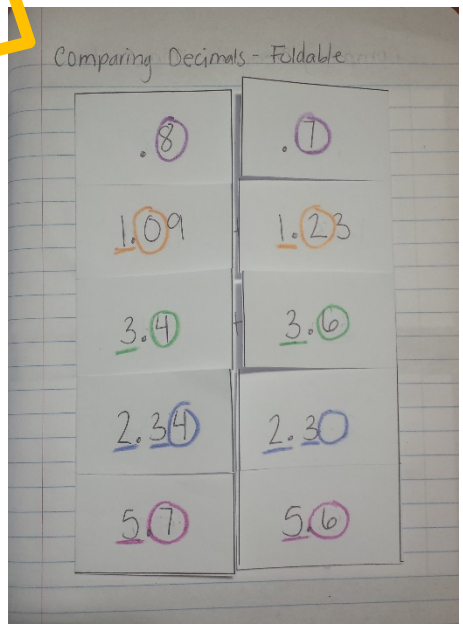



SAMPLE

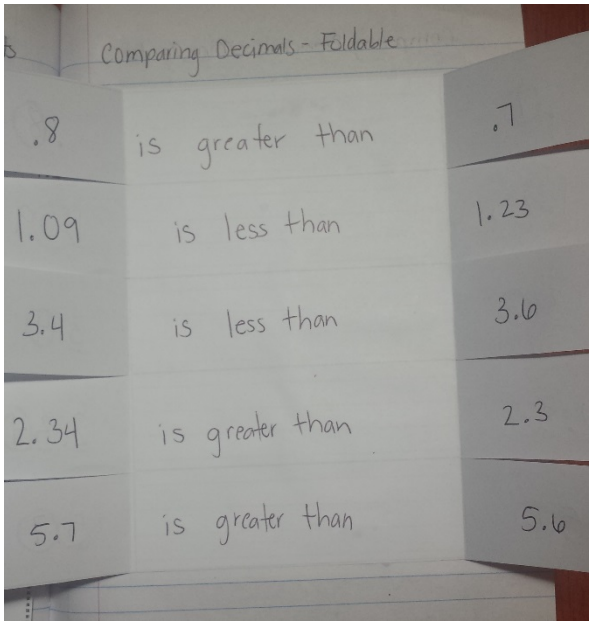
**Foldable**

See the example provided in the pictures to the right. Create foldable with students. You can modify the examples to meet your students specific learning needs.

**Foldable** - Outside




**Foldable** - Inside



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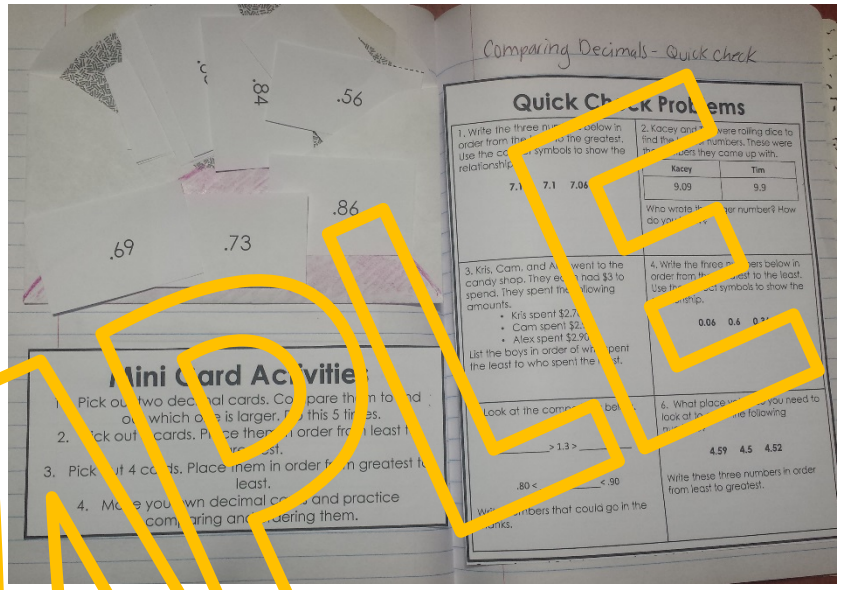
# Comparing and Ordering Decimals – Assembly Notes & Directions

**Extension Activities**

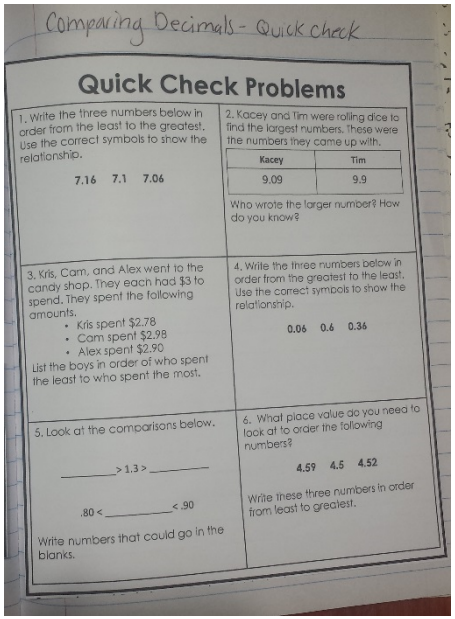
Give each student a copy of the Extension Activities list to place in their journal as well as a copy of the mini cards. Have students glue a small envelope into their math journal to store their mini cards. You can use the mini card activities as an extension or early finisher activity.



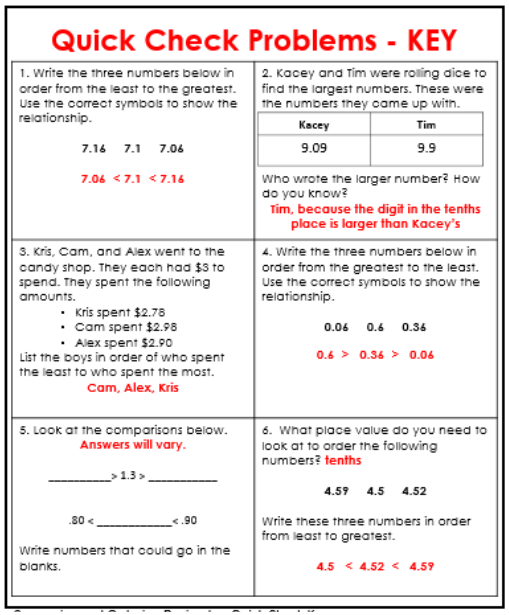

**Quick Check**

Give each student a copy of the Quick Check sheet. Students can glue them in their math journal as a reference page, or you can collect them. The quick check can be used as a formative assessment to see where your students level of mastery is after you have spent a few days practicing the skill.

**Quick Check**




**Quick Check** - Key




SAMPLE



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# Comparing & Ordering Decimals

All numbers have value. You can compare the value of two numbers by using the following symbols:

| Greater Than | Less Than | Equal To |
|---|---|---|
| > | < | = |

Follow these steps to compare two numbers.

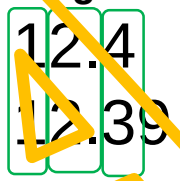
**Step 1: Line up the numbers according to place value.**

12.4

12.39

**Step 2: Compare the numbers in each place starting with the largest.**

Start here
1 = 1
2 = 2
4 is more than 3
So……
**12.4 is greater than 12.39**



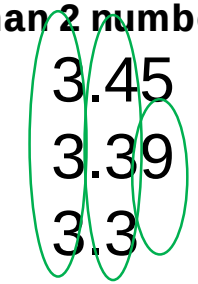

**Step 3: Use the symbols to show the relationship between the two numbers**

**12.4 > 12.39**

12.4 is greater than 12.39

**To order a group of numbers, you complete steps 1-3 with more than 2 numbers.**

Start here
3 = 3
4 is more than 3 (3.45 is the greatest)
9 is greater than nothing (3.39 is next largest)
So……
**3.45 is greater than 3.39 which is greater than 3.3**




SAMPLE

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| Greater Than | Less Than | Equal To |
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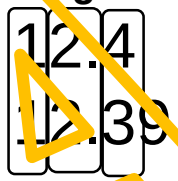


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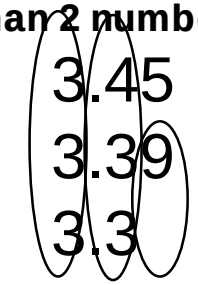


SAMPLE



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Comparing and Ordering Decimals – Anchor Chart

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# Extension Activities

1. Pick out two decimal cards. Compare them to find out which one is larger. Do this 5 times.
2. Pick out 3 cards. Place them in order from least to greatest.
3. Pick out 4 cards. Place them in order from greatest to least.
4. Make you own decimal cards and practice comparing and ordering them.

# Extension Activities

1. Pick out two decimal cards. Compare them to find out which one is larger. Do this 5 times.
2. Pick out 3 cards. Place them in order from least to greatest.
3. Pick out 4 cards. Place them in order from greatest to least.
4. Make you own decimal cards and practice comparing and ordering them.

SAMPLE



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| | | | |
|---|---|---|---|
| .4 | .41 | .42 | .43 |
| .5 | .54 | .55 | .56 |
| .6 | .67 | .68 | .69 |
| .7 | .71 | .72 | .73 |
| .8 | .84 | .84 | .86 |

SAMPLE



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# Quick Check Problems

1. Write the three numbers below in order from the least to the greatest. Use the correct symbols to show the relationship.

**7.16 7.1 7.06**

2. Kacey and Tim were rolling dice to find the largest numbers. These were the numbers they came up with.

| Kacey | Tim |
|---|---|
| 9.09 | 9.9 |

Who wrote the larger number? How do you know?

3. Kris, Cam, and Alex went to the candy shop. They each had $3 to spend. They spent the following amounts.

- Kris spent $2.78
- Cam spent $2.98
- Alex spent $2.90

List the boys in order of who spent the least to who spent the most.

4. Write the three numbers below in order from the greatest to the least. Use the correct symbols to show the relationship.

**0.06 0.6 0.36**

5. Look at the comparisons below.

_____ > 1.3 > _____

.80 < _____ < .90

Write numbers that could go in the blanks.

6. What place value do you need to look at to order the following numbers?

**4.59 4.5 4.52**

Write these three numbers in order from least to greatest.

SAMPLE



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# Quick Check Problems - KEY

1. Write the three numbers below in order from the least to the greatest. Use the correct symbols to show the relationship.

**7.16  7.1  7.06**

**7.06 < 7.1 < 7.16**

2. Kacey and Tim were rolling dice to find the largest numbers. These were the numbers they came up with.

| Kacey | Tim |
|---|---|
| 9.09 | 9.9 |

Who wrote the larger number? How do you know?

**Tim, because the digit in the tenths place is larger than Kacey's**

3. Kris, Cam, and Alex went to the candy shop. They each had $3 to spend. They spent the following amounts.

- Kris spent $2.78
- Cam spent $2.98
- Alex spent $2.90

List the boys in order of who spent the least to who spent the most.

**Cam, Alex, Kris**

4. Write the three numbers below in order from the greatest to the least. Use the correct symbols to show the relationship.

**0.06  0.6  0.36**

**0.6 > 0.36 > 0.06**

5. Look at the comparisons below.

**Answers will vary.**

_____ > 1.3 > _____

.80 < _____ < .90

Write numbers that could go in the blanks.

6. What place value do you need to look at to order the following numbers? **hundredths**

**4.59  4.5  4.52**

Write these three numbers in order from least to greatest.

**4.5 < 4.52 < 4.59**

SAMPLE



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