Comparing Decimals
Practice

Shade the decimal model to show each decimal. Then compare. Write >, <, or =.

1. 0.7 ◯ 0.5
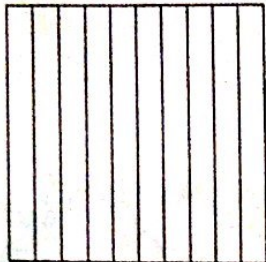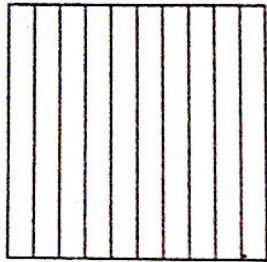
2. 0.6 ◯ 0.60

Write each decimal in the place-value chart. Then compare. Write >, <, or =.

3. 0.6 ◯ 0.8

Ones	.	Tenths

4. 1.4 ◯ 1.0

Ones	.	Tenths

5. 0.70 ◯ 0.73

Ones	.	Tenths	Hundredths

6. 0.8 ◯ 0.21

Ones	.	Tenths	Hundredths

HINT: What decimal with tenths and hundredths equals 8 tenths?

Use the number line below to compare. Write >, <, or =.

```
←—+—+—+—+—+—+—+—+—+—+—+—+—+—+—+—→
  0  0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5
```
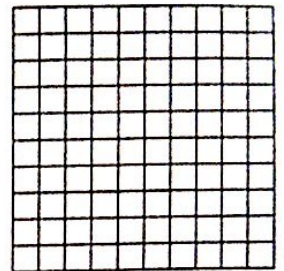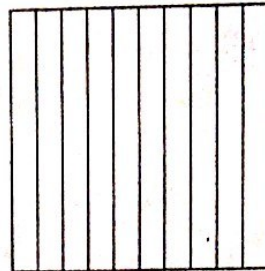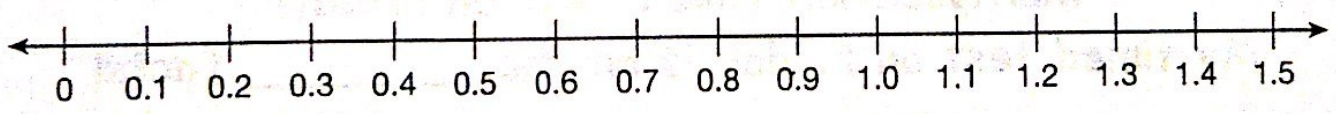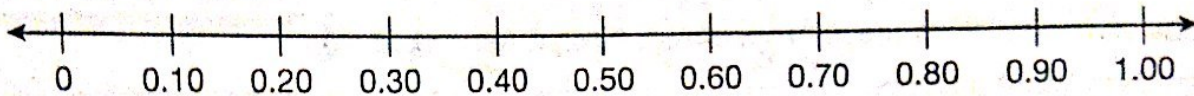
7. 0.3 ◯ 0.30

8. 1.5 ◯ 1.2

9. 1.1 ◯ 0.8

Comparing Decimals Practice!

Due Wed.

Use the number line below to compare. Write >, <, or =.

```
←——+——+——+——+——+——+——+——+——+——+——+——→
   0  0.10 0.20 0.30 0.40 0.50 0.60 0.70 0.80 0.90 1.00
```

10. 0.78 ◯ 0.72

11. 0.39 ◯ 0.29

12. 0.64 ◯ 0.65

Compare. Write >, <, or =. You can use decimal models to help you.

13. 0.82 ◯ 0.93

14. 0.5 ◯ 0.50

15. 1.0 ◯ 1.3

16. 2.14 ◯ 2.04

17. 0.67 ◯ 0.09

18. 1.20 ◯ 1.2

Choose the best answer.

19. Which number has the same value as the digit 7 in the number 5.73?

   A. 0.07   B. 0.7

   C. 7   D. 70

20. Which number is greater than 0.27?

   A. 0.34   B. 0.24

   C. 0.14   D. 0.04

Solve.

21. Cherie has $1.49 and Sue has $1.09. Which girl has more money?

   _____

22. Bottle A has a capacity of 0.8 liter. Bottle B has a capacity of 1.0 liter. Which bottle has the greater capacity?

   _____

23. **APPLY** Dave and Arnold each batted exactly 100 times. Dave hit 35 home runs. Arnold hit $\frac{37}{100}$ home runs. Which boy hit more home runs? Explain.

   _____

   _____

24. **ANALYZE** List all the possible digits that could replace the missing digit and make the sentence true.

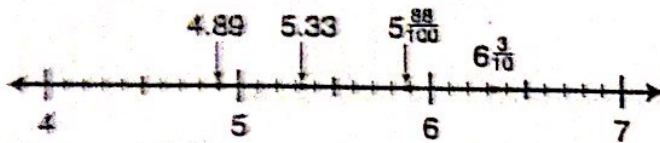 $5.63 < 5.\square 6 < 5.92$

   _____

Compare and Order Decimals and Mixed Numbers

Due Thursday!

Order the numbers from least to greatest: 5.33, 4.89, $6\frac{3}{10}$, $5\frac{88}{100}$.

Number lines can be used to compare and order decimals and mixed numbers.

Place each number on the number line. It helps to label the points with the value.

On a number line, numbers increase in value as you move from left to right.

So the order in which the numbers are located on the number line from left to right is their order from least to greatest.

$$4.89 < 5.33 < 5\frac{88}{100} < 6\frac{3}{10}$$

Compare. Write >, <, or = for each ◯.

1. $7.2 \bigcirc 7\frac{4}{10}$

2. $5.54 \bigcirc 5\frac{4}{10}$

3. $4.33 \bigcirc 43\frac{3}{10}$

4. $1.9 \bigcirc 1\frac{9}{100}$

Order the numbers from least to greatest.

5. $\frac{3}{10}$ 3.3 $\frac{33}{100}$ 3.33

6. 7.4 $7\frac{44}{100}$ 7.74 $7\frac{4}{100}$

_____

_____

7. 9.6 $9\frac{6}{100}$ 9.61 $9\frac{66}{100}$

8. 2.8 $2\frac{8}{100}$ 2.89 $2\frac{98}{100}$

_____

_____

9. 3.7 $3\frac{7}{100}$ $33\frac{7}{100}$ 3.89

10. 1.54 2.05 $11\frac{5}{100}$ $12\frac{5}{10}$

_____

_____

Number and Operations in Fractions - Decimal Fractions

Study Guide! Test: Next Tuesday (2/11) | 4.NF.5 |

1. Make the number sentence true.

$$\frac{5}{10} = \frac{\quad}{100}$$

2. Make the number sentence true.

$$\frac{70}{100} = \frac{\quad}{10}$$

3. Solve. Show your work in the box below.

$$\frac{5}{10} + \frac{40}{100}$$

Answer_____

4. Solve. Show your work in the box below. Write your answer as a mixed number.

$$\frac{9}{10} + \frac{60}{100}$$

Answer_____

5. Order these fractions in order from greatest to least.

4/10   70/100   30/100   9/10

Greatest ① _____ ; ② _____ ;
③ _____ ; Least ④ _____

6. Compare the fractions (<,>,=). Show your work in the box below.
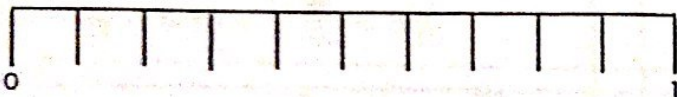
$$\frac{50}{100} \bigcirc \frac{5}{10}$$

Keep Going! →

Number and Operations in Fractions

1. Boston bought a radio for 3/10 of the regular cost. Write the equivalent decimal amount of what he paid.

_____

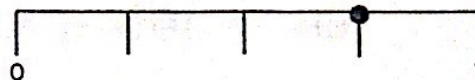2. Place the following decimals on the number line below.

0.6 , 0.3 , 0.8

0 ┊┊┊┊┊┊┊┊┊┊ 1

3. Write the correct decimal for $\frac{7}{10}$.

_____

4. Write the correct decimal for $\frac{23}{100}$.

_____

5. Write the correct decimal for $\frac{6}{100}$.

_____

6. What value does the dot on the number line represent?

Hint! Think about money!

0 ┊┊┊●┊ 1

_____

7. What value does the dot on the number line represent?

0 ┊┊┊●┊┊┊ 1

_____

8. Convert 0.23 to a fraction.

_____

9. Convert 0.1 to a fraction.

_____

10. Joanne received last weeks score for her Spelling test. She got $\frac{85}{100}$.

Write this number as a decimal.

_____

Name_____ **Due Friday!** Date_____

Number and Operations in Fractions **Study Guide**

1. Order the decimals from <u>least</u> to greatest.

.36 .9 .02 .48 .20

_____

_____

_____

_____

_____

2. Write a decimal greater than 0.56.

_____

3. Write a decimal less than 0.4.

_____

4. Compare (<,>,=).

0.76 ◯ 0.84

5. Compare (<,>,=).

0.6 ◯ 0.65

6. Tanisha says that 0.28 is greater than 0.5. Easton says Tanisha is wrong. Who is right? In the box below explain your reasoning.

7. Compare the money amounts. (<,>,=).

$58.72 ◯ $508.72

8. Leopold and Colby went to see a movie. Leopold spent $13.42 at the movies and Colby spend $14.23. Who spent the least amount of money? Explain your reasoning in the box below.

Answer_____