★Please use your math notebook to help you! (pages 46-51)

★Due Monday, 3/9/20

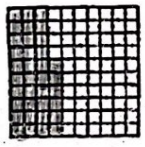
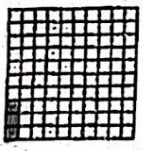
Name Key

4th Grade Homework- Week 27

Monday

13.4

Write the fraction and decimal for each model.

Model	Fraction	Decimal
	$\frac{4}{10}$	0.4 (or 0.40)
	$\frac{36}{100}$	0.36
	$\frac{3}{100}$	0.03

Zachery says that $\frac{3}{10}$ is written as 0.03 when written in decimal form. Is he correct? Explain how you know.

Zachery is incorrect because 0.03 has a 3 in the hundredths place, which would be $\frac{3}{100}$ not $\frac{3}{10}$.

★(Your answer may be different!)

Write the word form for each decimal number below.

0.95 ninety-five hundredths

2.02 two and two hundredths

0.7 seven tenths

Which value is not equivalent to the rest?

0.08 ✓ eight hundredths ✓

$\frac{8}{100}$ ✓ eight hundreds ✗

Ivan drew a model with 54 out of 100 squares shaded. Write a decimal that represents the amount of the model NOT shaded.

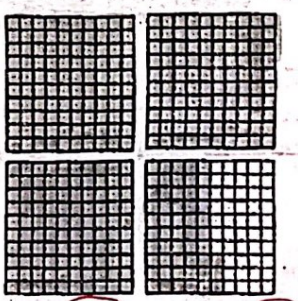
100 − 54 = 46 → 0.46 (not shaded)

Write the decimal for the given fractions.

$\frac{72}{100}$ = 0.72 $\frac{1}{10}$ = 0.1

$\frac{6}{10}$ = 0.6 $\frac{14}{100}$ = 0.14

Write the fraction, decimal and word form for the model below.



fraction - $3\frac{53}{100}$ decimal - 3.53

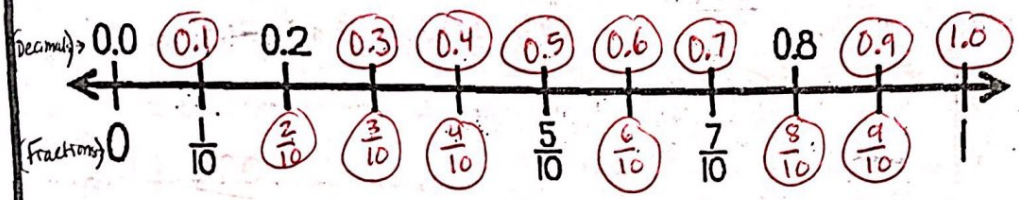
word - three and fifty-three hundredths

4.NF.5, 4.NF.6

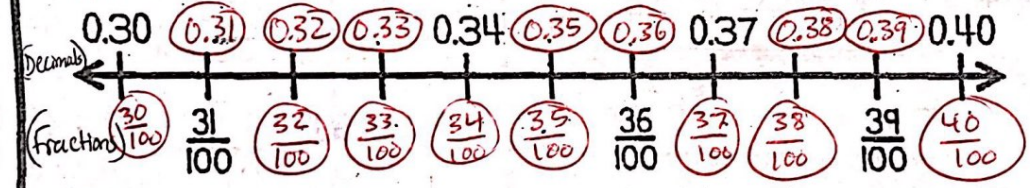
13.5, 13.7

Tuesday

Fill in the missing numbers on the number line. Label the top using decimals. Label the bottom using fractions. Every mark must be labeled. (14 total)



Fill in the missing numbers on the number line. Label the top using decimals. Label the bottom using fractions. Every mark must be labeled. (15 total)



Raquel talked on the phone with her friend for $1\frac{6}{10}$ hours. Use a decimal to represent the amount of time she was on the phone.

$1\frac{6}{10} = 1.6$ hours

Choose all of the fractions that are equivalent to 0.7.

$\frac{70}{100}$ $\frac{10}{7}$ $\frac{7}{100}$

$\frac{100}{7}$ $\frac{7}{10}$ $\frac{100}{70}$

Ms. Davis asked her students to write 0.2 as a fraction. Arlo wrote $\frac{20}{100}$. Karlee wrote $\frac{2}{10}$. Explain how both students are correct.

Both students are correct because $\frac{2}{10}$ and $\frac{20}{100}$ are equivalent fractions.

Show me if you said something different

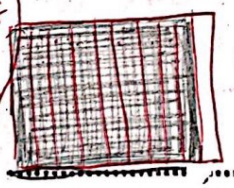
Find an equivalent fraction first.

Willis ran $\frac{3}{5}$ of a mile to prepare for his track meet. What is this distance as decimal?

$\frac{3}{5} = \frac{6}{10} = 0.6$ miles

Draw a fraction model for 0.9 below.

Show me if yours is different



Write the fractions for the given decimals.

$0.95 = \frac{95}{100}$

$2.02 = 2\frac{2}{100}$

$0.6 = \frac{6}{10}$

$1.23 = 1\frac{23}{100}$

4NF5, 4NF6

Name_____ 4th Grade Homework- Week 23

Wednesday

13.8, 13.9

Write the numbers in order of least to greatest. (small to big)

B A C
0.34, 0.12, 1.24

0.12 < 0.34 < 1.24

Write the numbers in order of greatest to least. (big to small)

C A B
0.52, 5.20, 2.50

5.20 > 2.50 > 0.52

Which numbers are in order from least to greatest? (small to big) Choose all that apply.

- ☑ 0.2, 0.4, 0.9
- ☐ 3.2 > 3.2 > 3
- ☐ 0.02 > 0.01 < 1.20
- ☑ 1.12 < 1.16 < 1.19
- ☑ 0.54 < 0.59 < 0.6

Mallory is at the concession stand during her sister's basketball game. She's trying to decide what snacks to buy. Use the chart below to answer the questions.

Concession Stand		
drinks	Water	$1.25
	Soda	$1.95
	Sports Drink	$1.72
snacks	Popcorn	$1.54
	Nachos	$1.97
	Candy Bar	$0.73

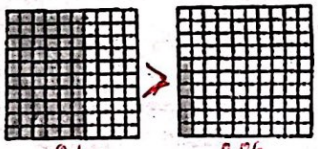
Which drink costs the most? Soda ($1.95)

Which drink costs the least? Water ($1.25)

Which snack costs the most? Nachos ($1.97)

Which snack costs the least? Candy Bar ($0.73)

Compare the models below. Check all of the equations and inequalities that are true.



- ☐ 0.6 < 0.06
- ☑ 0.06 < 0.6
- ☑ 0.6 > 0.06
- ☐ 0.06 = 0.6

Ariel loves to paint. On Monday, she painted for 1.34 hours. On Tuesday, she painted 1.5 hours. On Wednesday, she painted a longer amount of time than Monday, but less time than Tuesday. What could the possible amount of time she painted on Wednesday be?

Monday: 1.34 < Wednesday: anything from 1.35 to 1.49 < Tuesday: 1.5

Use <, >, = to compare.

0.81 (>) 0.18 1.98 (<) 198

4NF7

Review 13.4-13.9

Thursday

Shonda has $3.62 left over from her birthday money. She wants a book that costs $2.63 with tax. Does she have enough money to buy the book? Explain.

Shonda (does/does not) have enough money because $3.62 is more than $2.63. The digit in the ones place is where I looked to compare. (Show me your answer!)

Write the fractions for the given decimals.

1.09 = $1\frac{9}{100}$ 12.6 = $12\frac{6}{10}$

0.01 = $\frac{1}{100}$ 0.3 = $\frac{3}{10}$

Reggie drew a model with 83 out of 100 squares shaded. Write a decimal that represents the amount of the model NOT shaded.

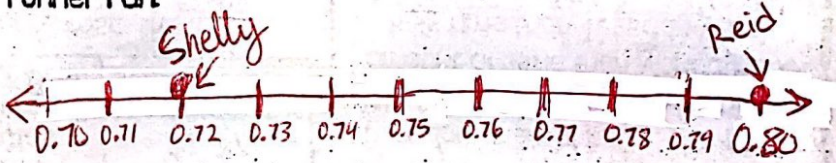
100
-83
17 → 0.17 not shaded

4NF5, 4NF6, 4NF7

This question has 3 parts, A-C.

Shelly ran 0.72 of a mile. Reid ran 0.8 of a mile. Shelly thinks she ran farther. Reid thinks he ran farther.

Part A – Construct a number line (Look at Tuesday's examples) to show how far each runner ran.



Part B – Who is correct, Shelly or Reid? Reid

Part C – Explain how you know.

I know that Reid is correct because 0.8 is $\frac{8}{10}$ or $\frac{80}{100}$ and 0.72 is only $\frac{72}{100}$. (Sample answer)

★ Show me your answer if you're not sure it's correct!