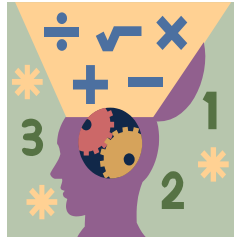Name:_____ Section: 4A, 4B, 4C, 4D, 4E

Homework

Hello Scholars. We will finish Chapter 8 this week. Scholars will complete the *Chapter 8 Test on Tuesday December 4, 2018.* We will begin Chapter 9 this week. Scholars will learn to relate fractions to decimals.

Students have access to **Think Central** assignments which review Chapter 9. The animated models will help your child understand foundational concepts required for Chapter 9. Scholars also have access to the interactive Student Edition Go Math Book which contains videos and practice questions reviewing the daily lesson. The Interactive Student Edition can be found in *My Library*.

i-Ready - Each scholar **must complete their assigned i-Ready Math** lessons by Sunday. If you have any questions or concerns, please feel free to contact me at morales.zervos@archimedean.org.

Notes

Students **MUST** underline key words in the word problem and **MUST** prove and show all their work. *Failure to prove or show your work will result in a lower grade.

Monday   December 3rd   – Chapter 8 Study Guide (2 pages)

Tuesday   December 4th   – FSA Day 49 (1 page)

Wednesday   December 5th   – 9.1 (1 page)

Thursday   December 6th   – 9.2 (1 page)

Friday   December 7h   – 9.3 (1 page)

Parents please initial below each day acknowledging your child has completed the assigned homework. **Completed homework packets will be checked daily and collected on Tuesday December 11th for a letter grade.**

Monday **3rd** **December**	**Tuesday** **4th** **December**	**Wednesday** **5th** **December**	**Thursday** **6th** **December**	**Friday** **7th** **December**

Name_____   Date _____

Chapter 8 – Study Guide

Read and <u>solve</u>.

1. Jill used repeated addition to show $4 \times \frac{3}{8}$ What did she write?

2. Maria wrote the next four multiples of $\frac{1}{12}$ What did she write?

3. Dan needs $4\frac{4}{5}$ feet of lumber to build a bird house. How can he write $4\frac{4}{5}$ as a fraction?

4. Daniella's dog is $1\frac{3}{5}$ feet long. Eleni's dog is 3 times longer than Daniella's. How long is Eleni's dog?

5. What is $6 \times \frac{2}{3}$?

6. Mary bought $2\frac{7}{8}$ feet of blue ribbon. She bought 2 times as much white ribbon as she did blue ribbon. How much white ribbon did she buy?

7. Bill rode $\frac{7}{8}$ mile each month. How many miles did he ride in 5 months?

8. Jon was solving the problem $5 \times \frac{3}{4}$ for his homework last night. His teacher wanted him to write the product as a <u>product of a whole number and a unit fraction</u>. What did Jon write?

9. Tom rides his bike for $2\frac{5}{8}$ hours each day. How many total hours did he ride his bike in 6 days?

Chapter 8– Study Guide

10. Paula cut a piece of paper into 8 equal parts. Bobby used some of the paper and now $5/8$ is leftover. Paula wants to use the leftover paper to make note cards. How many cards can she make?	
11. Luisa is making 5 pans of brownies. Each pan needs $2/3$ cup sugar. The measuring cup holds $1/3$ cup. How many times will Luisa fill the measuring cup to make all 5 pans of brownies??	
12. Barbara cut a pizza into 12 equal slices. Her friends ate some and now $7/12$ of the pizza are left. Barbara wants to put each slice of leftover pizza in its own freezer bag. What part of the pizza will she put in each bag?	
13. Lisa drank 5 $5/6$ gallons of water last week. Write the amount of water Lisa drank as a fraction greater than 1.	
14. Ben played the piano for 1 $4/5$ hours each day for five days to prepare for the recital. How many hours did he play the piano?	
15. Linda is baking cookies. She used 1 $6/10$ cups of nuts for each batch of cookies. If Linda made 4 batches of cookies, how many cups of nuts did she use?	
16. Catalina has 5 bowls for a party. She needs to put $7/8$ cups of ice into each bowl. Her measuring cup holds $1/8$ cup. How many times will Catalina fill the measuring cup to fill the 5 bowls with ice?	

MAFS.4.NF.2.4b

1. An equation is shown.

$$8 \times \square = 32/5$$

What is the missing number? _____

MAFS.4.NF.2.4a

2. An expression is shown.

$$\frac{1}{4} \times 5$$

What is the value of the expression? _____

MAFS.4.NF.2.4c

3. Jasmin has a box of crayons. She lets her 5 friends each borrow 1/8 of her box of crayons. How many of her crayons does she let her friends borrow?

_____ crayons

MAFS.4.NF.2.4b

4. Select all the expressions that show the correct product.

A. 4 x 6/8 = 24/8
B. 4 x 1/4 = 5/4
C. 9 x 3/8 = 75/8
D. 2 x 5/10 = 10/10
E. 1 x 4/6 = 4/6

MAFS.4.NF.2.4a

5. Select all the expressions that show a fraction that is a multiple of 1/9.

A. 2/9
B. 4/9
C. 9/4
D. 9/1
E. 7/9

Name: _____

Score: _____/5

Percentage: _____%

Name_____ Date _____

Problem Solving – Relate Tenths as Decimals

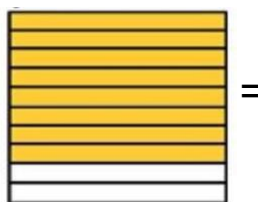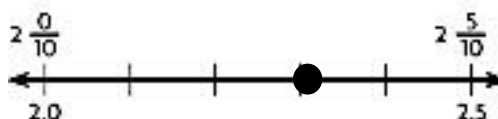|	
1. Write the fraction or mixed number as a decimal. $5\frac{5}{10} =$	2. Write the fraction or mixed number as a decimal. $\frac{9}{10} =$
3. Write the fraction or mixed number as a decimal. $\frac{4}{10} =$	4. Write the fraction or mixed number as a decimal. $6\frac{7}{10} =$
5. Write the fraction and decimal shown by the model. =	6. Write the fraction and decimal shown by the model.
7. There are 10 pens in the drawer. Five pens are black. Write the portion of the pens that are black as a <u>fraction, decimal and in word form</u>.	8. Maria ordered 2 pies. Each pie is cut into 10 equal slices. Maria and her family eat 14 slices. What part of the pizza did they eat? Write your answer as a decimal.
9. Write True or False for the statement. a. 0.6 is equivalent to $\frac{6}{10}$ _____ b. $\frac{1}{10}$ is equivalent to 0.01 _____ c. 0.9 is equivalent to $\frac{90}{10}$ _____	10. Mike answered $\frac{8}{10}$ of his questions correctly on his test. Shade the model, then write the decimal to show many questions Mike answered correctly.

Problem Solving – Relate Hundredths as Decimals

For questions 1-6, write the fraction or mixed number as a decimal.

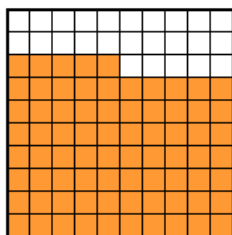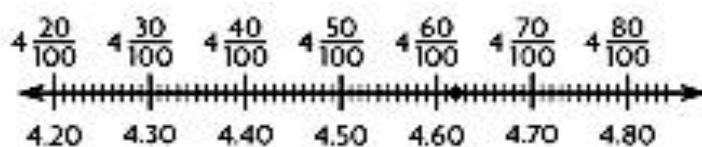|	
1. $13\frac{52}{100} =$	2. $\frac{93}{100} =$
3. $6\frac{40}{100} =$	4. $\frac{77}{100} =$
5. $\frac{3}{100} =$	6. $21\frac{9}{100} =$

7. Write the fraction and decimal shown by the model.

=

8. Write the fraction and decimal shown by the model.

$4\frac{20}{100}$ $4\frac{30}{100}$ $4\frac{40}{100}$ $4\frac{50}{100}$ $4\frac{60}{100}$ $4\frac{70}{100}$ $4\frac{80}{100}$

4.20   4.30   4.40   4.50   4.60   4.70   4.80

9. There are 100 pennies in a dollar. What fraction of a dollar is 71 pennies? Write it as a fraction, decimal and in word form.

10. Mike answered 93 questions correctly on the Chapter 9 test. There was a total of 100 questions on the test. In decimal form, how many questions did Mike answer correctly?
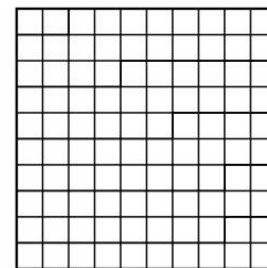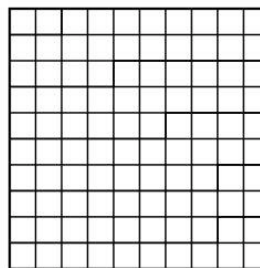
11. Write True or False for the statement.

a. 0.3 is equivalent to $\frac{3}{100}$ _____

b. 0.08 is equivalent to $\frac{80}{100}$ _____

c. 0.20 is equivalent to $\frac{20}{100}$ _____

d. 1.07 is equivalent to $1\frac{70}{100}$ _____

12. Shade the model to show $1\frac{46}{100}$. Then write the mixed number in decimal form.

_____

Name_____   Date _____

Problem Solving – Equivalent Fractions and Decimals

Read and solve.

1. Write the number as hundredths in fraction form and decimal form. $\frac{4}{10} =$	2. Write the number as hundredths in fraction form and decimal form. 0.8 =
3. Write the number as hundredths in fraction form and decimal form. $\frac{6}{10} =$	4. Write the number as hundredths in fraction form and decimal form. 0.3 =
5. Write the the number as tenths in fraction form and decimal form. $\frac{90}{100} =$	6. Write the the number as tenths in fraction form and decimal form. $\frac{10}{100} =$
7. Write the the number as tenths in fraction form and decimal form. 0.50=	8. Write the the number as tenths in fraction form and decimal form. 0.70=
9. Isabella rides her bike $\frac{3}{10}$ mile to the park each day. Write $\frac{3}{10}$ as hundredths in fraction form and in decimal form.	10. Ettienne lives four tenths of a mile from Archimedean. What is four tenths written as a decimal in hundredths?
11. The fruit stand weighs fruit in hundredths of a pound. If the fruit I bought weights $\frac{9}{10}$, what weight will the fruit stand show?	12. The 4th grade students at Archimedean represent 0.20 of all the students in the school. What fraction is equivalent to 0.20 in tenths?