4th GATE Home Learning Outline

4th Grade

Date/Day	Math	Science
Wednesday March 18 Day 1 *See attached folders for materials	Eureka Module 6 Lesson 5 Zearn for Extra Practice on Fractions and Decimals	Check Microsoft Teams periodically for discussions. Reply when you can. Create a Weather Journal. Observe and document the weather for each day you are home. Are there any trends or significant changes?
Thursday March 19 Day 2	Eureka Module 6 Lesson 6 Zearn for Extra Practice on Fractions and Decimals	Update weather journal. Are there any trends or significant changes? "Invertebrates" Flocabulary Assignments OR Create a Venn Diagram listing the differences and similarities between vertebrates and invertebrates.
Friday March 20 Day 3	Eureka Module 6 Lesson 7 Zearn for Extra Practice on Fractions and Decimals	Update weather journal. Are there any trends or significant changes? "Weather" Flocabulary Assignments OR Describe the difference between weather and climate. Mystery Science (extra): https://mysteryscience.com/astronomy/mystery-4/seasonal-patterns-earth-s-orbit/75?code=NDEwMDY3MDQ&t=student
Monday March 23 Day 4	Eureka Module 6 Lesson 8 Zearn for Extra Practice on Fractions and Decimals	Update weather journal. Are there any trends or significant changes? Define transparent, translucent, and opaque. What are the similarities and differences? Provide examples of each in your house or outside.
Tuesday March 24	Eureka Module 6 Lesson 9	Update weather journal. Are there any trends or significant changes?

Day 5	Zearn for Extra Practice on Fractions and Decimals	Define rotation and revolution. What is the difference between the two? Provide three examples of each (these can be written as a scenario).
Wednesday March 25 Day 6	Eureka Module 6 Lesson 10 Zearn for Extra Practice on Fractions and Decimals	Update weather journal. Are there any trends or significant changes? Create a musical instrument from materials you have in your home. Describe the sound. What is the volume? How far can you hear the sound? How can you make it louder?
Thursday March 26 Day 7	Eureka Module 6 Lesson 11 Zearn for Extra Practice on Fractions and Decimals	Update weather journal. Are there any trends or significant changes? Research the phases of the moon. Draw a model of the moon and the phases.
Friday March 27 Day 8	Eureka Module 6 Lesson 12 Zearn for Extra Practice on Fractions and Decimals	Update weather journal. Are there any trends or significant changes? The Sun rose at a certain time this morning. It will set at a certain time tonight. Does the Sun rise and set at the same time everywhere on Earth? Why or why not? How can we tell what time of day it is by looking at our shadows?
Monday March 30 Day 9	Eureka Module 6 Lesson 13 Zearn for Extra Practice on Fractions and Decimals	Update weather journal. Are there any trends or significant changes? Using materials in your home, create a model or drawing of the Solar System. Include the planets, label inner and outer planets, and list two facts about each planet.
Tuesday March 31 Day 10	Eureka Module 6 Lesson 14 Zearn for Extra Practice on Fractions and Decimals	Update weather journal. Are there any trends or significant changes? Can you make a chart based on your observations?

5th Grade

Date/Day	Math	Science
Wednesday March 18 Day 1 *See attached folders for materials	Eureka Grade 6 Module 2 Lesson 1 Zearn for Extra Practice on Multiplying and Dividing Fractions and Decimals	Spend 20 minutes outside. Write at least ten things you observe. Remember, write what you see, hear, smell, taste, and feel.
Thursday March 19 Day 2	Eureka Grade 6 Module 2 Lesson 2 Zearn for Extra Practice on Multiplying and Dividing Fractions and Decimals	"Ecosystems" Flocabulary Assignments (access Flocabulary from my Clever page) OR Pick an ecosystem. Draw and label the plants and animals that would be present in that ecosystem. Mystery Science (extra): https://mysteryscience.com/ecosystems/mystery-1/food-chains-predators-herbivores-carnivores/119?code=NzUzMTk4NDE&t=student
Friday March 20 Day 3	Eureka Grade 6 Module 2 Lesson 3 Zearn for Extra Practice on Multiplying and Dividing Fractions and Decimals	Create or draw and label a model of ocean floor landforms.
Monday March 23 Day 4	Eureka Grade 6 Module 2 Lesson 4 Zearn for Extra Practice on Multiplying and Dividing Fractions and Decimals	Illustrate the particles of each state of matter and give three examples of each.
Tuesday March 24 Day 5	Eureka Grade 6 Module 2 Lesson 5 Zearn for Extra Practice on Multiplying and Dividing Fractions and Decimals	Draw a food web or a food chain and explain the interaction amongst consumers, producers, and decomposers. Mystery Science (extra): https://mysteryscience.com/ecosystems/mystery-6/food-webs-flow-of-energy/212?code=NDEwMDY3MDQ&t=student

Wednesday March 25 Day 6	Eureka Grade 6 Module 2 Lesson 6 Zearn for Extra Practice on Multiplying and Dividing Fractions and Decimals	Create a Venn Diagram to compare and contrast an Aquatic Ecosystem and a Terrestrial Ecosystem.
Thursday March 26 Day 7	Eureka Grade 6 Module 2 Lesson 7 Zearn for Extra Practice on Multiplying and Dividing Fractions and Decimals	Design a model of an ecosystem using recycled materials.
Friday March 27 Day 8	Eureka Grade 6 Module 2 Lesson 8 Zearn for Extra Practice on Multiplying and Dividing Fractions and Decimals	Create a Venn Diagram to compare and contrast mixtures and solutions. Be sure to include three examples of each in your diagram.
Monday March 30 Day 9	Eureka Grade 6 Module 2 Lesson 9 Zearn for Extra Practice on Multiplying and Dividing Fractions and Decimals	Describe the relationship between force and mass. How do force and mass each affect the motion of an object?
Tuesday March 31 Day 10	Eureka Grade 6 Module 2 Lesson 10 Zearn for Extra Practice on Multiplying and Dividing Fractions and Decimals	Select an activity to do with your family at https://blog.prepscholar.com/easy-science-experiments-for-kids-at-home OR Come up with your own questions about something you are curious about investigating. Conduct a science experiment with your family to answer this question.

Accessing Online Assignments & Resources

Clever: Clever can be accessed from the school website. If you click on "District Page" and "J. Easterlin's Page," you will find the links to the following websites that will be used during our home learning experience. Students will log in using their school email address: (username) @dorchester2.k12.sc.us. Their password is their computer login. All students should know their password.

Microsoft Teams (on district page in Office 365): Students may ask me questions and collaborate with others on teams if they choose.

Flocabulary: Flocabulary assignments will be available. Once you get onto the website, have your student sign up with my class code:

4C- TCXDKJ

5C- CSKYQC

Zearn: Zearn will be used for math resources and practice assignments. Login information will be shared separately.

SAM: This is where FasttMath is housed. Students work on FasttMath every day in the computer lab. They know their login information.

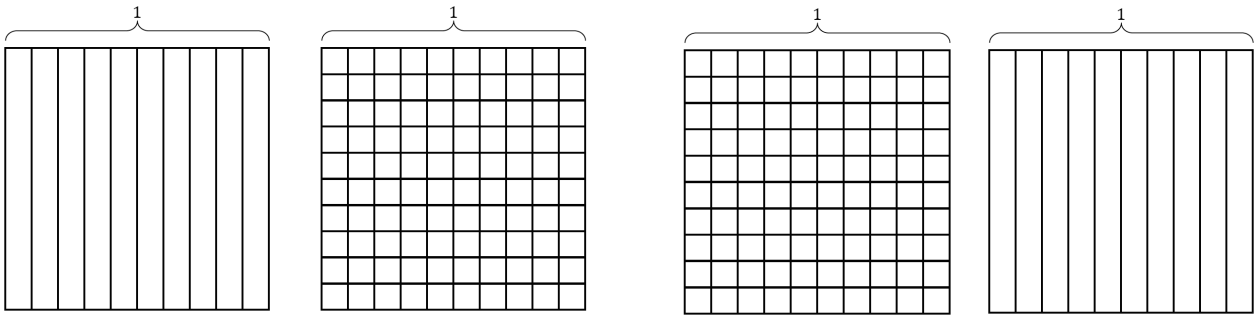
PathBlazer: This is where Compass Math/ELA are. Students work on Compass every day in the computer lab. They know their login information.

Name _____ Date _____

1. Find the equivalent fraction using multiplication or division. Shade the area models to show the equivalency. Record it as a decimal.

a. $\frac{3 \times}{10 \times} = \frac{\quad}{100}$

b. $\frac{50 \div}{100 \div} = \frac{\quad}{10}$

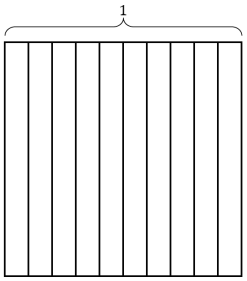


2. Complete the number sentences. Shade the equivalent amount on the area model, drawing horizontal lines to make hundredths.

a. 37 hundredths = _____ tenths + ____ hundredths

Fraction form: _____

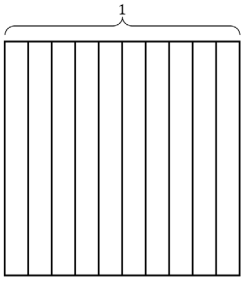
Decimal form: _____



b. 75 hundredths = ____ tenths + ____ hundredths

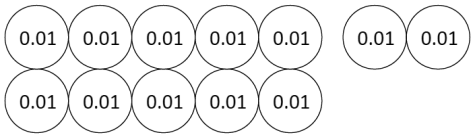
Fraction form: _____

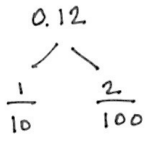
Decimal form: _____



3. Circle hundredths to compose as many tenths as you can. Complete the number sentences. Represent each with a number bond as shown.

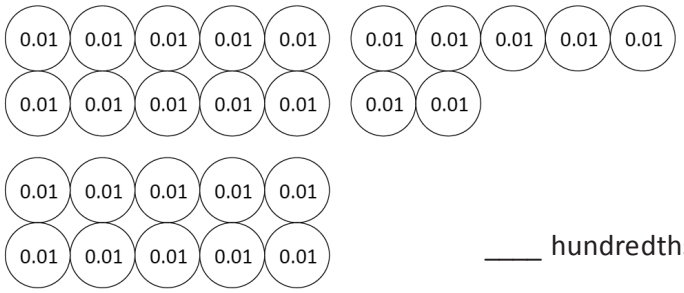
a.





____ hundredths = _____ tenth + _____ hundredths

b.



____ hundredths = _____ tenths + _____ hundredths

4. Use both tenths and hundredths place value disks to represent each number. Write the equivalent number in decimal, fraction, and unit form.

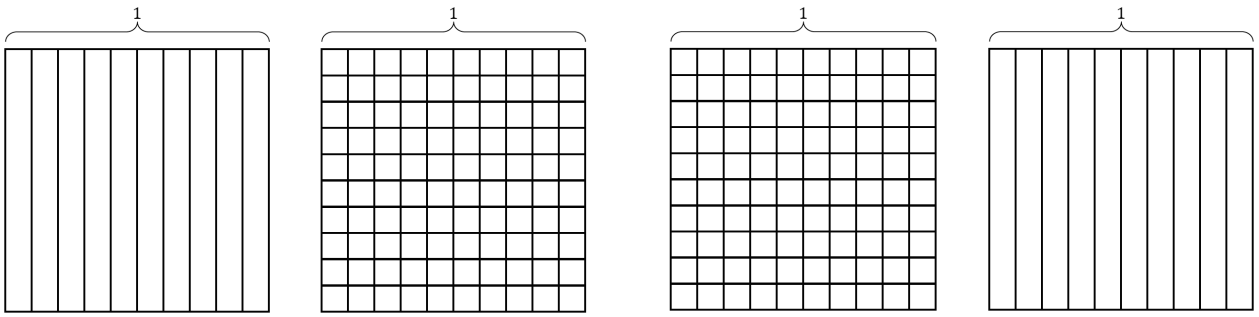
a. $\frac{3}{100}$ = 0. _____ _____ hundredths	b. $\frac{15}{100}$ = 0. _____ _____ tenth _____ hundredths
c. ___ = 0.72 _____ hundredths	d. ___ = 0.80 _____ tenths
e. ___ = 0. _____ 7 tenths 2 hundredths	f. ___ = 0. _____ 80 hundredths

Name _____ Date _____

1. Find the equivalent fraction using multiplication or division. Shade the area models to show the equivalency. Record it as a decimal.

a. $\frac{4 \times}{10 \times} = \frac{\quad}{100}$

b. $\frac{60 \div}{100 \div} = \frac{\quad}{10}$

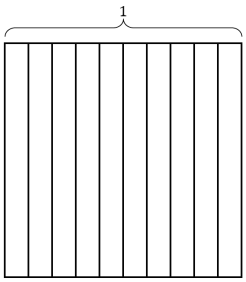


2. Complete the number sentences. Shade the equivalent amount on the area model, drawing horizontal lines to make hundredths.

a. 36 hundredths = _____ tenths + ____ hundredths

Decimal form: _____

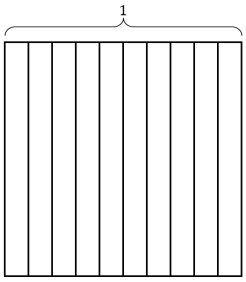
Fraction form: _____



b. 82 hundredths = ____ tenths + ____ hundredths

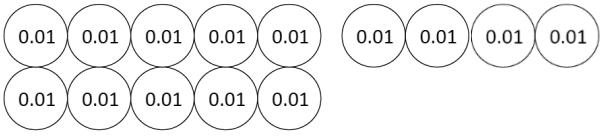
Decimal form: _____

Fraction form: _____



3. Circle hundredths to compose as many tenths as you can. Complete the number sentences. Represent each with a number bond as shown.

a.



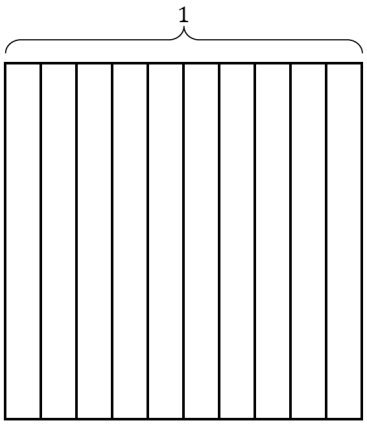
____ hundredths = _____ tenth + _____ hundredths

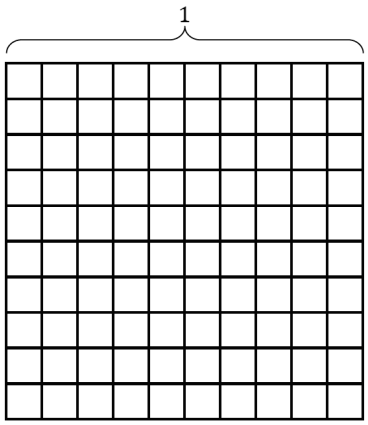
b. 

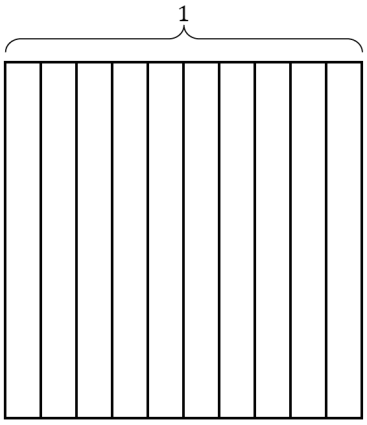
_____ hundredths = _____ tenths + _____ hundredths

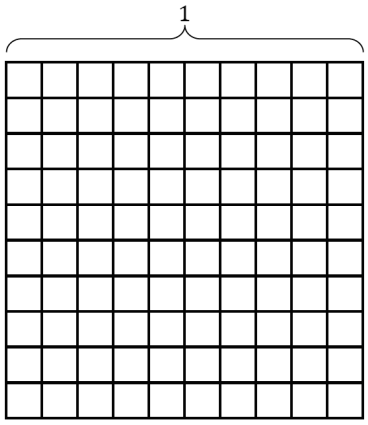
4. Use both tenths and hundredths place value disks to represent each number. Write the equivalent number in decimal, fraction, and unit form.

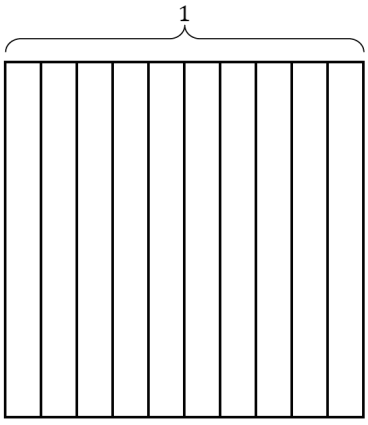
a. $\frac{4}{100}$ = 0. _____ _____ hundredths	b. $\frac{13}{100}$ = 0. _____ _____tenth _____ hundredths
c. ___ = 0.41 _____ hundredths	d. ___ = 0.90 _____ tenths
e. ___ = 0. _____ 6 tenths 3 hundredths	f. ___ = 0. _____ 90 hundredths

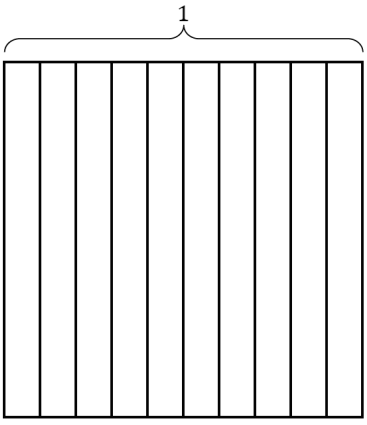


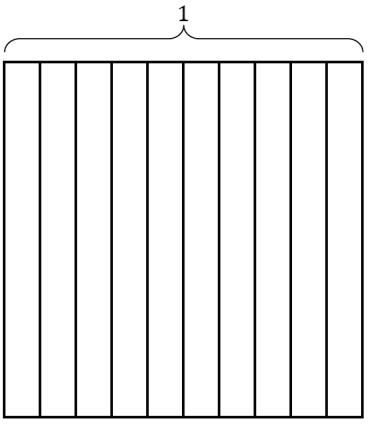










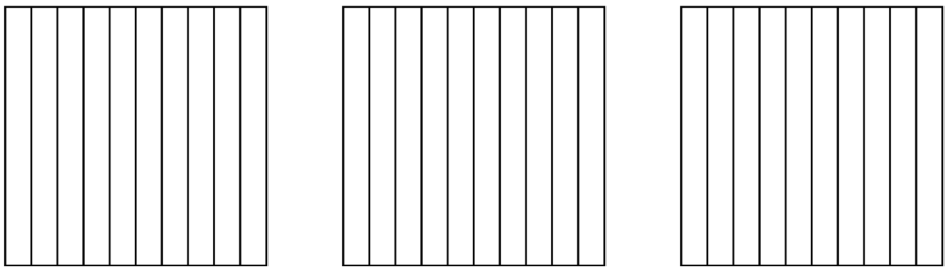


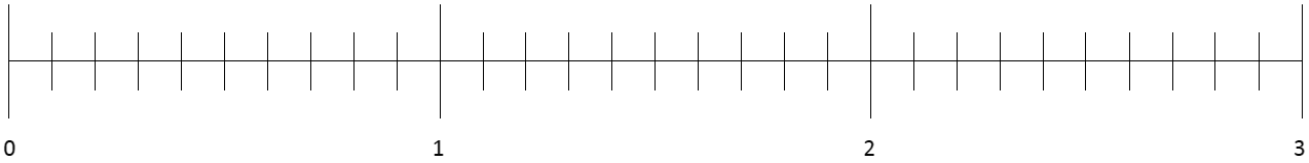
tenths and hundredths area model

Name _____ Date _____

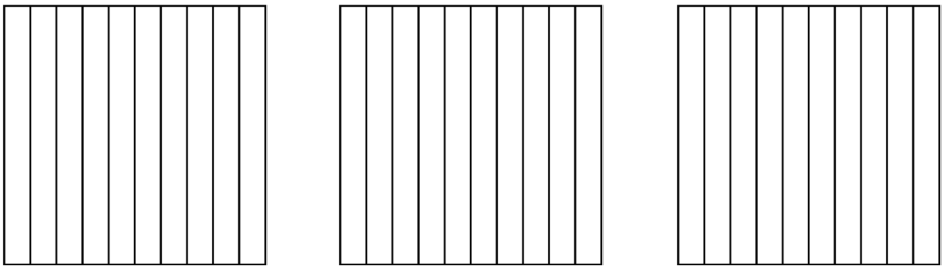
1. Shade the area models to represent the number, drawing horizontal lines to make hundredths as needed. Locate the corresponding point on the number line. Label with a point, and record the mixed number as a decimal.

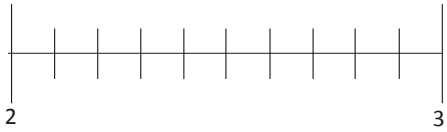
a. $1\frac{15}{100}$ = ___._____





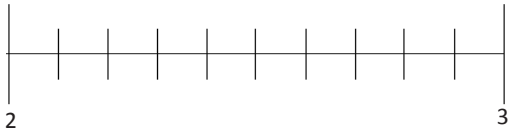
b. $2\frac{47}{100}$ = ___._____



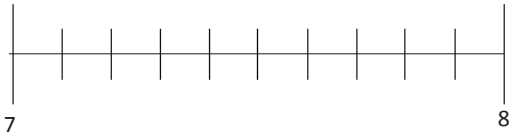


2. Estimate to locate the points on the number lines.

a. $2\frac{95}{100}$



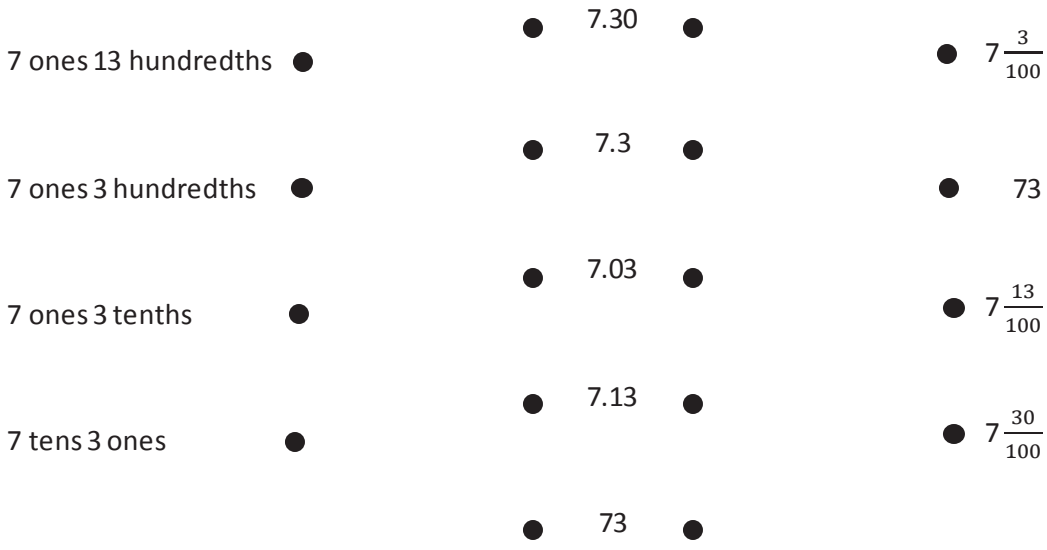
b. $7\frac{52}{100}$



3. Write the equivalent fraction and decimal for each of the following numbers.

a. 1 one 2 hundredths	b. 1 one 17 hundredths
c. 2 ones 8 hundredths	d. 2 ones 27 hundredths
e. 4 ones 58 hundredths	f. 7 ones 70 hundredths

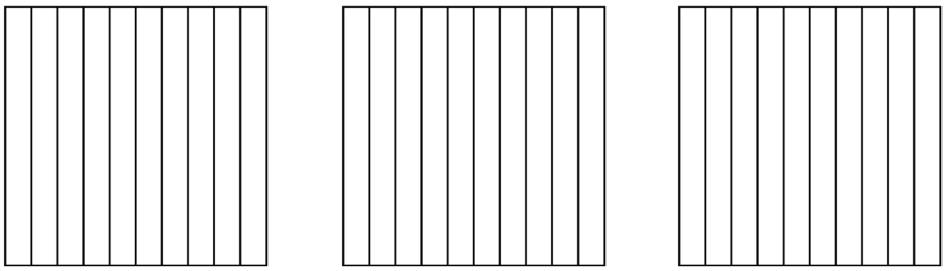
4. Draw lines from dot to dot to match the decimal form to both the unit form and fraction form. All unit forms and fractions have at least one match, and some have more than one match.

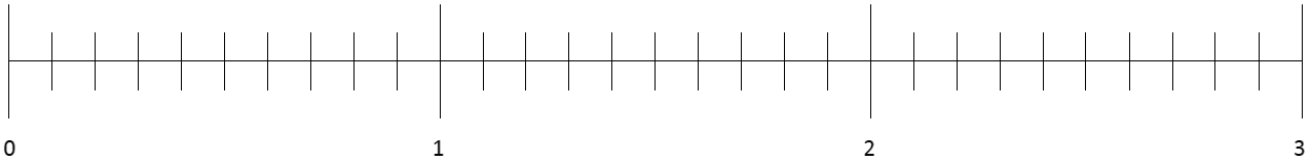


Name _____ Date _____

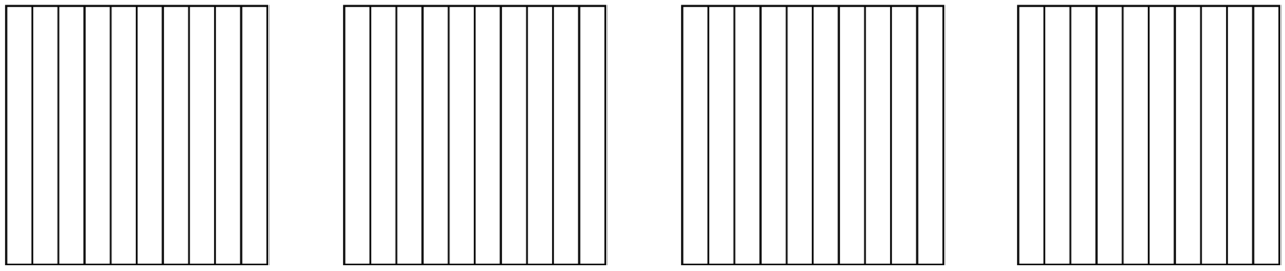
1. Shade the area models to represent the number, drawing horizontal lines to make hundredths as needed. Locate the corresponding point on the number line. Label with a point, and record the mixed number as a decimal.

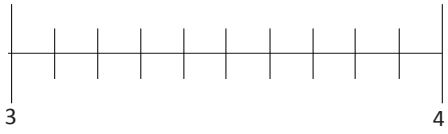
a. $2\frac{35}{100}$ = ___._____





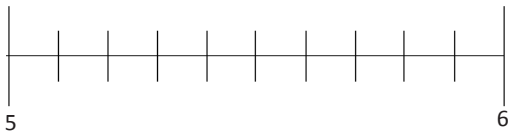
b. $3\frac{17}{100}$ = ___._____



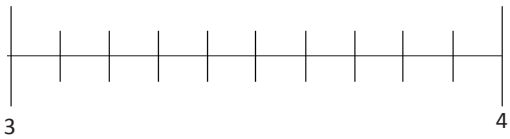


2. Estimate to locate the points on the number lines.

a. $5\frac{90}{100}$



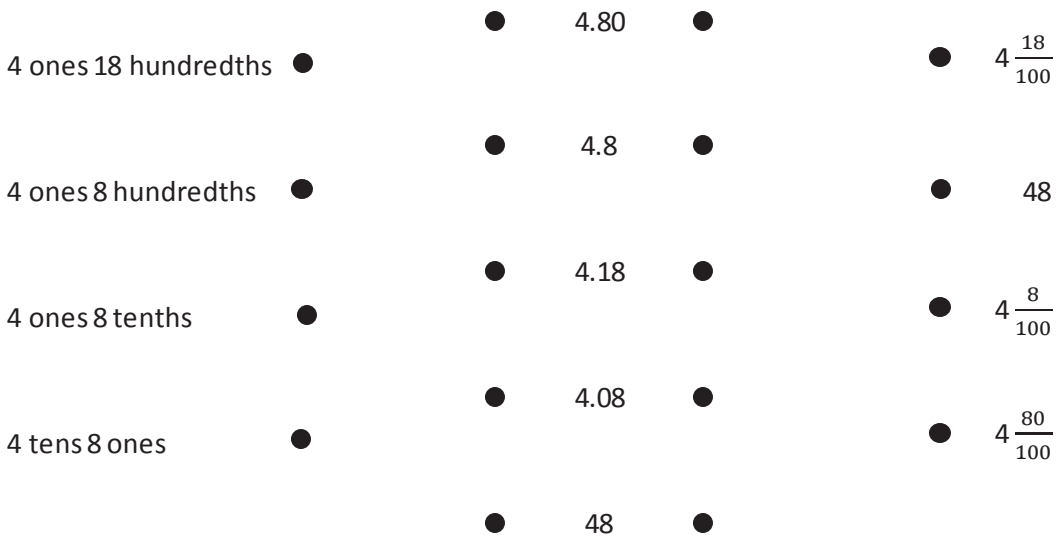
b. $3\frac{25}{100}$

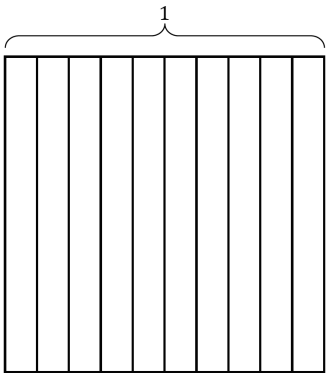


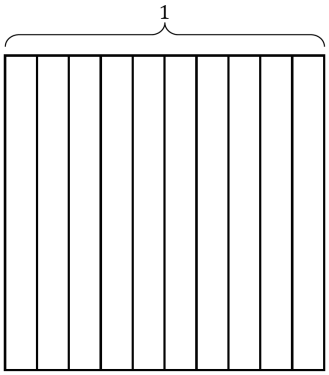
3. Write the equivalent fraction and decimal for each of the following numbers.

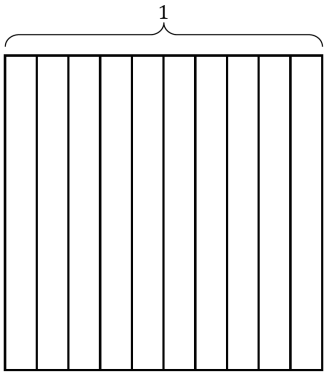
a. 2 ones 2 hundredths	b. 2 ones 16 hundredths
c. 3 ones 7 hundredths	d. 1 one 18 hundredths
e. 9 ones 62 hundredths	f. 6 ones 20 hundredths

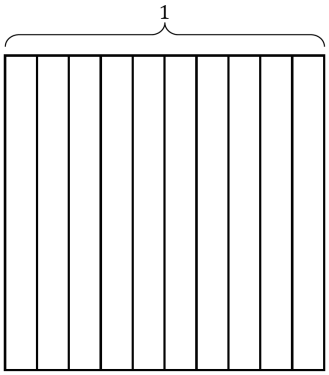
4. Draw lines from dot to dot to match the decimal form to both the unit form and fraction form. All unit forms and fractions have at least one match, and some have more than one match.

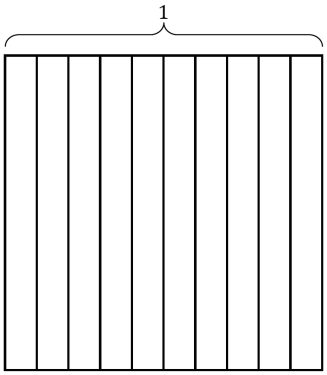


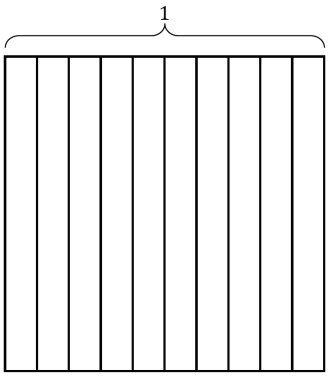


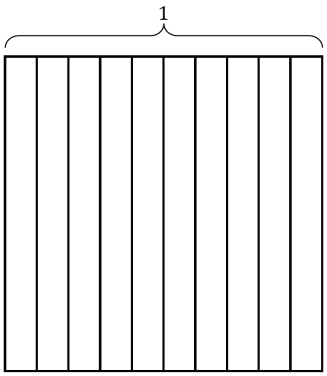




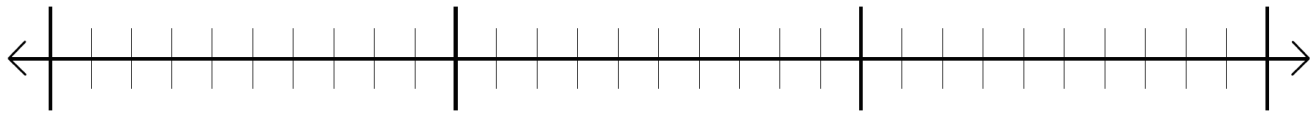


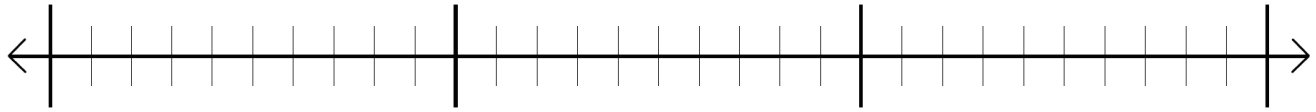


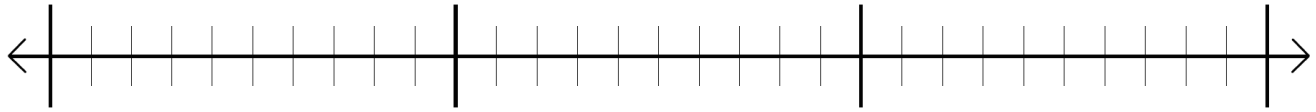


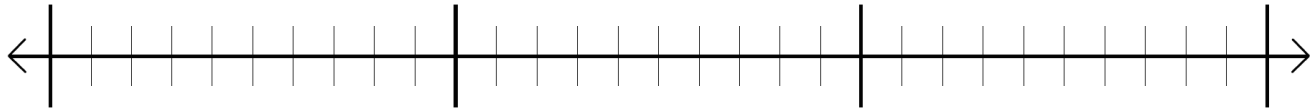


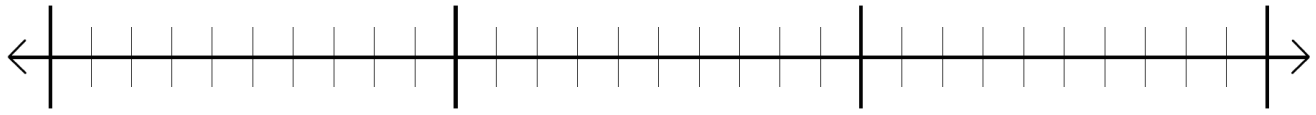
area model











number line

Name _____ Date _____

1. Write a decimal number sentence to identify the total value of the place value disks.

a.

2 tens 5 tenths 3 hundredths

_____ + _____ + _____ = _____

b.

5 hundreds 4 hundredths

_____ + _____ = _____

2. Use the place value chart to answer the following questions. Express the value of the digit in unit form.

hundreds	tens	ones	.	tenths	hundredths
4	1	6		8	3

a. The digit _____ is in the hundreds place. It has a value of _____.

b. The digit _____ is in the tens place. It has a value of _____.

c. The digit _____ is in the tenths place. It has a value of _____.

d. The digit _____ is in the hundredths place. It has a value of _____.

hundreds	tens	ones	.	tenths	hundredths
5	3	2		1	6

e. The digit _____ is in the hundreds place. It has a value of _____.

f. The digit _____ is in the tens place. It has a value of _____.

g. The digit _____ is in the tenths place. It has a value of _____.

h. The digit _____ is in the hundredths place. It has a value of _____.

3. Write each decimal as an equivalent fraction. Then, write each number in expanded form, using both decimal and fraction notation. The first one has been done for you.

Decimal and Fraction Form	Expanded Form	
	Fraction Notation	Decimal Notation
$15.43 = 15\frac{43}{100}$	$(1 \times 10) + (5 \times 1) + (4 \times \frac{1}{10}) + (3 \times \frac{1}{100})$ $10 + 5 + \frac{4}{10} + \frac{3}{100}$	$(1 \times 10) + (5 \times 1) + (4 \times 0.1) + (3 \times 0.01)$ $10 + 5 + 0.4 + 0.03$
21.4 = _____		
38.09 = _____		
50.2 = _____		
301.07 = _____		
620.80 = _____		
800.08 = _____		

Name _____ Date _____

1. Write a decimal number sentence to identify the total value of the place value disks.

a. 

3 tens 4 tenths 2 hundredths

_____ + _____ + _____ = _____

b. 

4 hundreds 3 hundredths

_____ + _____ = _____

2. Use the place value chart to answer the following questions. Express the value of the digit in unit form.

hundreds	tens	ones	.	tenths	hundredths
8	2	7		6	4

a. The digit _____ is in the hundreds place. It has a value of _____.

b. The digit _____ is in the tens place. It has a value of _____.

c. The digit _____ is in the tenths place. It has a value of _____.

d. The digit _____ is in the hundredths place. It has a value of _____.

hundreds	tens	ones	.	tenths	hundredths
3	4	5		1	9

e. The digit _____ is in the hundreds place. It has a value of _____.

f. The digit _____ is in the tens place. It has a value of _____.

g. The digit _____ is in the tenths place. It has a value of _____.

h. The digit _____ is in the hundredths place. It has a value of _____.

3. Write each decimal as an equivalent fraction. Then, write each number in expanded form, using both decimal and fraction notation. The first one has been done for you.

Decimal and Fraction Form	Expanded Form	
	Fraction Notation	Decimal Notation
$14.23 = 14\frac{23}{100}$	$(1 \times 10) + (4 \times 1) + (2 \times \frac{1}{10}) + (3 \times \frac{1}{100})$ $10 + 4 + \frac{2}{10} + \frac{3}{100}$	$(1 \times 10) + (4 \times 1) + (2 \times 0.1) + (3 \times 0.01)$ $10 + 4 + 0.2 + 0.03$
25.3 = _____		
39.07 = _____		
40.6 = _____		
208.90 = _____		
510.07 = _____		
900.09 = _____		

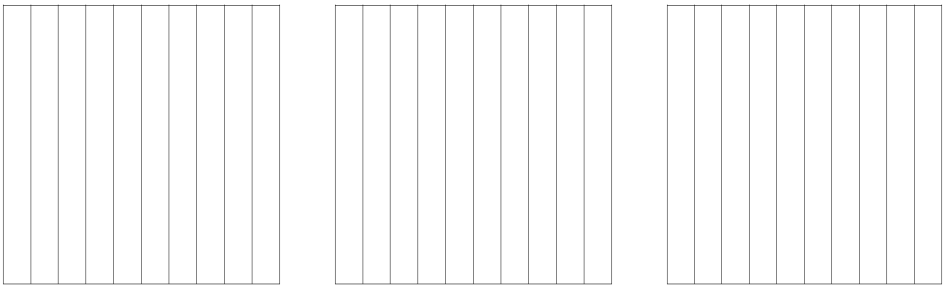
hundredths	
tenths	
.	
ones	
tens	
hundreds	

place value chart

Name _____ Date _____

1. Use the area model to represent $\frac{250}{100}$. Complete the number sentence.

   a. $\frac{250}{100}$ = _____ tenths = _____ ones _____ tenths = __.____



   b. In the space below, explain how you determined your answer to part (a).

2. Draw place value disks to represent the following decompositions:

   2 ones = _____ tenths

ones	.	tenths	hundredths

   2 tenths = _____ hundredths

ones	.	tenths	hundredths

   1 one 3 tenths = ____ tenths

ones	.	tenths	hundredths

   2 tenths 3 hundredths = ____ hundredths

ones	.	tenths	hundredths

3. Decompose the units to represent each number as tenths.

a. 1 = ____ tenths

b. 2 = ____ tenths

c. 1.7 = _____ tenths

d. 2.9 = _____ tenths

e. 10.7 = _____ tenths

f. 20.9 = _____ tenths

4. Decompose the units to represent each number as hundredths.

a. 1 = _____ hundredths

b. 2 = _____ hundredths

c. 1.7 = _____ hundredths

d. 2.9 = _____ hundredths

e. 10.7 = _____ hundredths

f. 20.9 = _____ hundredths

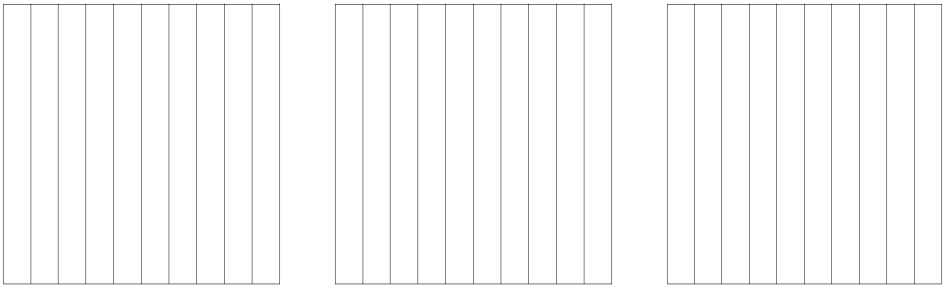
5. Complete the chart. The first one has been done for you.

Decimal	Mixed Number	Tenths	Hundredths
2.1	$2\frac{1}{10}$	21 tenths $\frac{21}{10}$	210 hundredths $\frac{210}{100}$
4.2			
8.4			
10.2			
75.5			

Name _____ Date _____

1. Use the area model to represent $\frac{220}{100}$. Complete the number sentence.

   a. $\frac{220}{100}$ = _____ tenths = _____ ones _____ tenths = __.____



   b. In the space below, explain how you determined your answer to part (a).

2. Draw place value disks to represent the following decompositions:

   3 ones = _____ tenths

ones	.	tenths	hundredths

   3 tenths = _____ hundredths

ones	.	tenths	hundredths

   2 ones 3 tenths = ____ tenths

ones	.	tenths	hundredths

   3 tenths 3 hundredths = ____ hundredths

ones	.	tenths	hundredths

3. Decompose the units to represent each number as tenths.

a. 1 = _____ tenths

b. 2 = _____ tenths

c. 1.3 = _____ tenths

d. 2.6 = _____ tenths

e. 10.3 = _____ tenths

f. 20.6 = _____ tenths

4. Decompose the units to represent each number as hundredths.

a. 1 = _____ hundredths

b. 2 = _____ hundredths

c. 1.3 = _____ hundredths

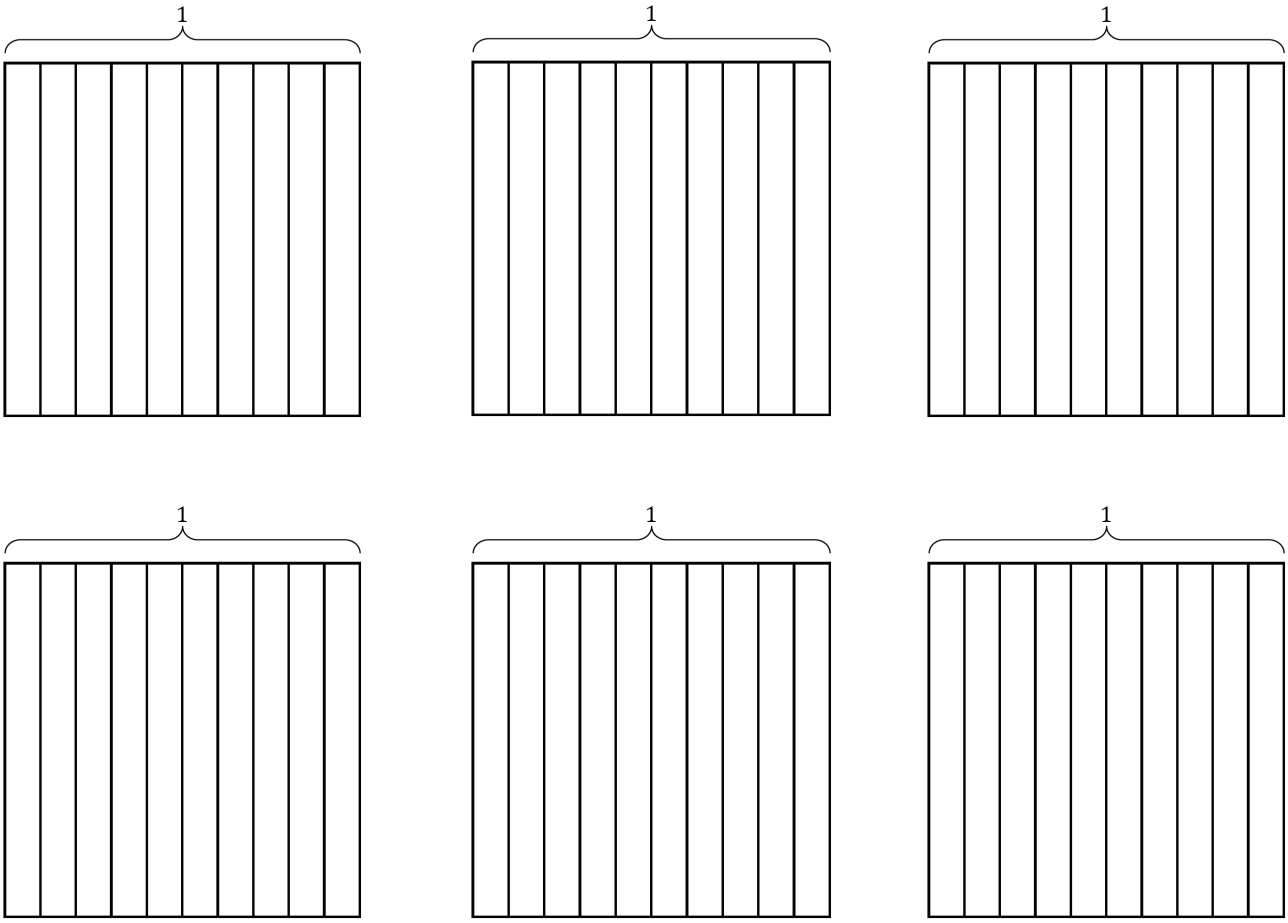
d. 2.6 = _____ hundredths

e. 10.3 = _____ hundredths

f. 20.6 = _____ hundredths

5. Complete the chart. The first one has been done for you.

Decimal	Mixed Number	Tenths	Hundredths
4.1	$4\frac{1}{10}$	41 tenths $\frac{41}{10}$	410 hundredths $\frac{410}{100}$
5.3			
9.7			
10.9			
68.5			



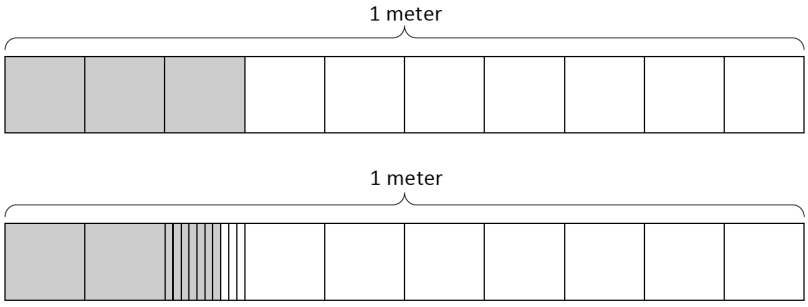
Tens	Ones	.	Tenths	Hundredths

area model and place value chart

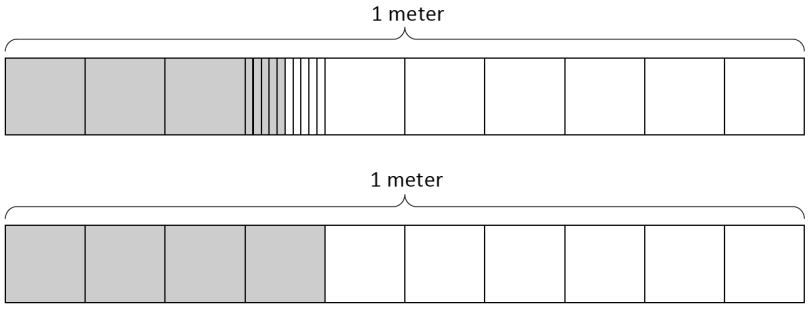
Name _____ Date _____

1. Express the lengths of the shaded parts in decimal form. Write a sentence that compares the two lengths. Use the expression *shorter than* or *longer than* in your sentence.

a.

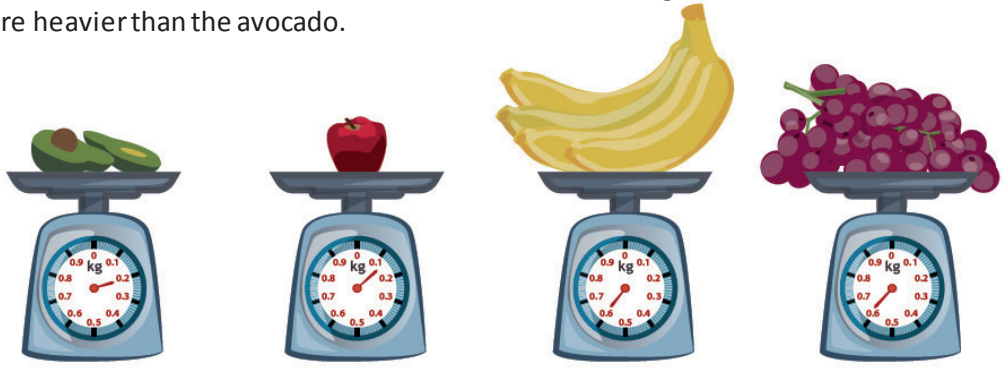


b.



c. List all four lengths from least to greatest.

2. a. Examine the mass of each item as shown below on the 1-kilogram scales. Put an X over the items that are heavier than the avocado.



b. Express the mass of each item on the place value chart.

Mass of Fruit (kilograms)

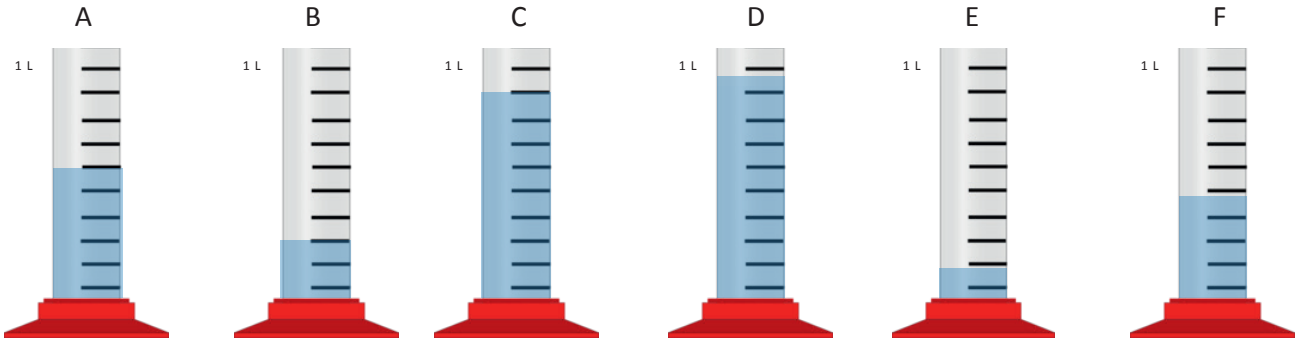
Fruit	ones	.	tenths	hundredths
avocado				
apple				
bananas				
grapes				

c. Complete the statements below using the words *heavier than* or *lighter than* in your statements.

The avocado is _____ the apple.

The bunch of bananas is _____ the bunch of grapes.

3. Record the volume of water in each graduated cylinder on the place value chart below.



0.6 liter 0.3 liter 0.9 liter 0.97 liter 0.19 liter 0.48 liter

Volume of Water (liters)

Cylinder	ones	.	tenths	hundredths
A				
B				
C				
D				
E				
F				

Compare the values using >, <, or =.

a. 0.9 L _____ 0.6 L

b. 0.48 L _____ 0.6 L

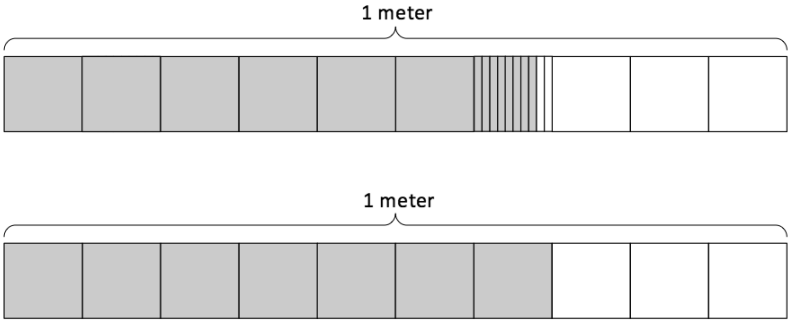
c. 0.3 L _____ 0.19 L

d. Write the volume of water in each graduated cylinder in order from least to greatest.

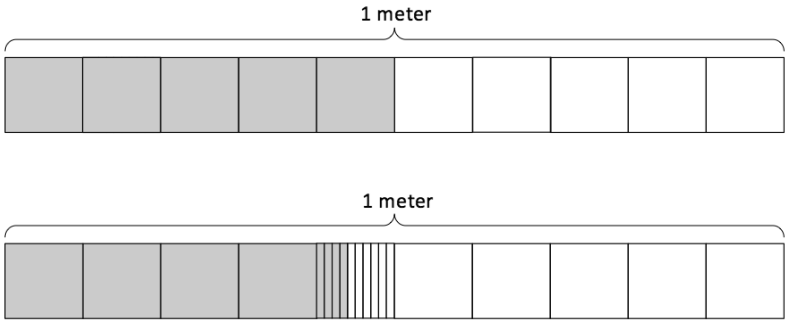
Name _____ Date _____

1. Express the lengths of the shaded parts in decimal form. Write a sentence that compares the two lengths. Use the expression *shorter than* or *longer than* in your sentence.

a.

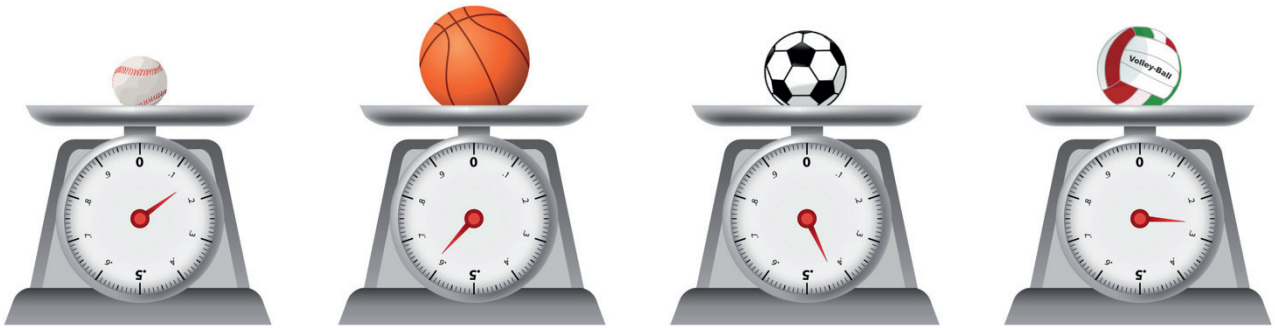


b.



c. List all four lengths from least to greatest.

2. a. Examine the mass of each item as shown below on the 1-kilogram scales. Put an X over the items that are heavier than the volleyball



0.15 kg 0.62 kg 0.43 kg 0.25 kg

b. Express the mass of each item on the place value chart.

Mass of Sport Balls (kilograms)

Sport Balls	ones	.	tenths	hundredths
baseball				
volleyball				
basketball				
soccer ball				

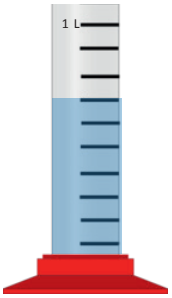
c. Complete the statements below using the words *heavier than* or *lighter than* in your statements.

The soccer ball is _____ the baseball.

The volleyball is _____ the basketball.

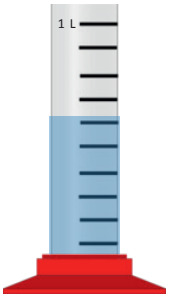
3. Record the volume of water in each graduated cylinder on the place value chart below.

A



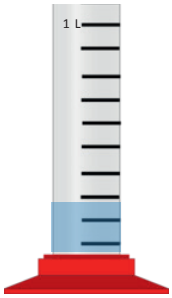
0.7 liter

B



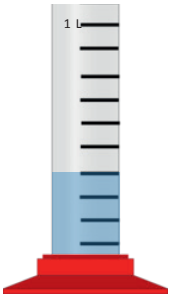
0.62 liter

C



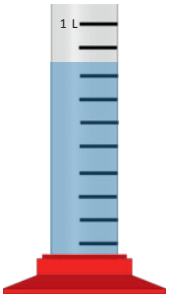
0.28 liter

D



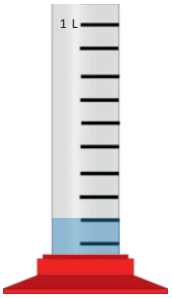
0.4 liter

E



0.85 liter

F



0.2 liter

Volume of Water (liters)

Cylinder	ones	.	tenths	hundredths
A				
B				
C				
D				
E				
F				

Compare the values using >, <, or =.

a. 0.4 L ____ 0.2 L

b. 0.62 L ____ 0.7 L

c. 0.2 L _____ 0.28 L

d. Write the volume of water in each graduated cylinder in order from least to greatest.

Mass of Rice Bags (kilograms)

Rice Bag	ones	.	tenths	hundredths
A				
B				
C				
D				

Volume of Liquid (liters)

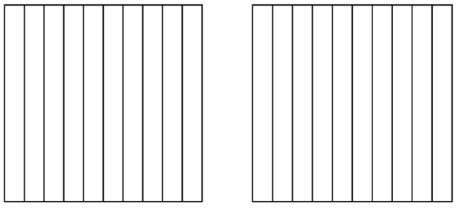
Cylinder	ones	.	tenths	hundredths
A				
B				
C				
D				

measurement record

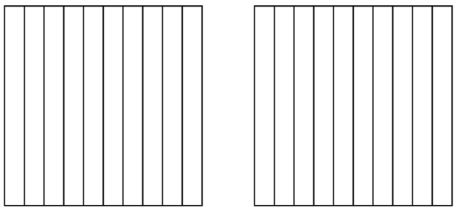
Name _____ Date _____

1. Shade the area models below, decomposing tenths as needed, to represent the pairs of decimal numbers. Fill in the blank with <, >, or = to compare the decimal numbers.

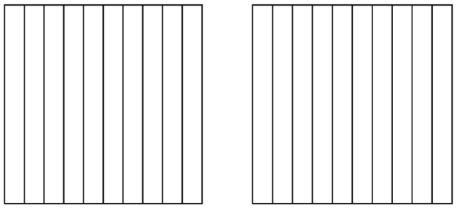
a. 0.23 _____ 0.4



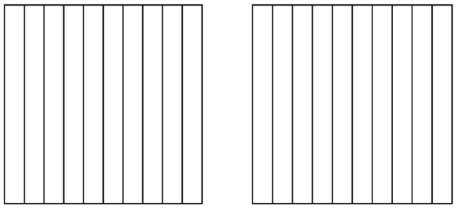
b. 0.6 _____ 0.38



c. 0.09 _____ 0.9



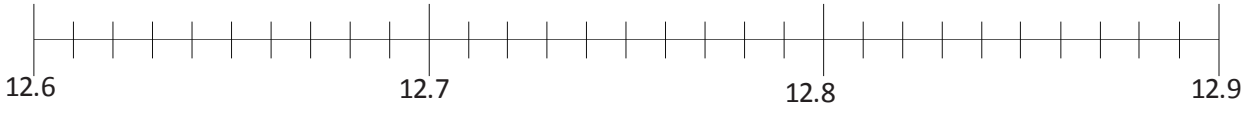
d. 0.70 _____ 0.7



2. Locate and label the points for each of the decimal numbers on the number line. Fill in the blank with <, >, or = to compare the decimal numbers.

a. 10.03 _____ 10.3

b. 12.68 _____ 12.8



3. Use the symbols <, >, or = to compare.

a. 3.42 _____ 3.75

b. 4.21 _____ 4.12

c. 2.15 _____ 3.15

d. 4.04 _____ 6.02

e. 12.7 _____ 12.70

f. 1.9 _____ 1.21

4. Use the symbols <, >, or = to compare. Use pictures as needed to solve.

a. 23 tenths _____ 2.3

b. 1.04 _____ 1 one and 4 tenths

c. 6.07 _____ $6\frac{7}{10}$

d. 0.45 _____ $\frac{45}{10}$

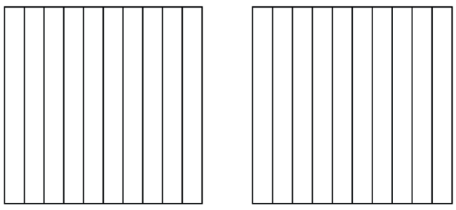
e. $\frac{127}{100}$ _____ 1.72

f. 6 tenths _____ 66 hundredths

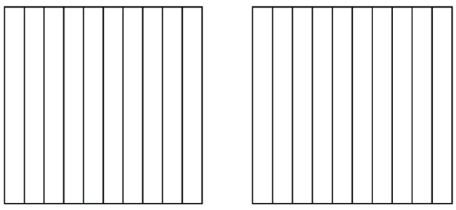
Name _____ Date _____

1. Shade the parts of the area models below, decomposing tenths as needed, to represent the pairs of decimal numbers. Fill in the blank with <, >, or = to compare the decimal numbers.

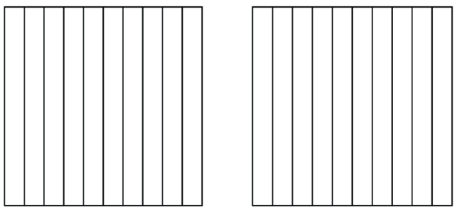
a. 0.19 _____ 0.3



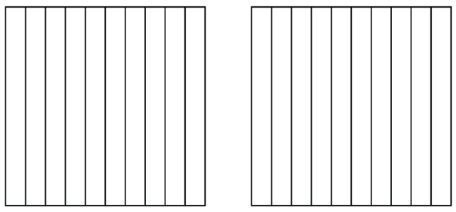
b. 0.6 _____ 0.06



c. 1.8 _____ 1.53



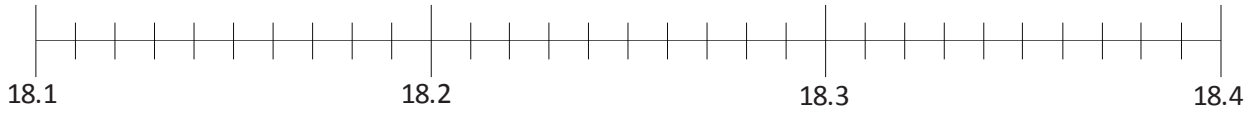
d. 0.38 _____ 0.7



2. Locate and label the points for each of the decimal numbers on the number line. Fill in the blank with <, >, or = to compare the decimal numbers.

a. 7.2 _____ 7.02

b. 18.19 _____ 18.3



3. Use the symbols <, >, or = to compare.

a. 2.68 _____ 2.54

b. 6.37 _____ 6.73

c. 9.28 _____ 7.28

d. 3.02 _____ 3.2

e. 13.1 _____ 13.10

f. 5.8 _____ 5.92

4. Use the symbols <, >, or = to compare. Use pictures as needed to solve.

a. 57 tenths _____ 5.7

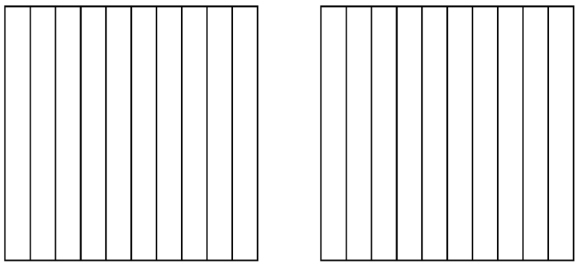
b. 6.2 _____ 6 ones and 2 hundredths

c. 33 tenths _____ 33 hundredths

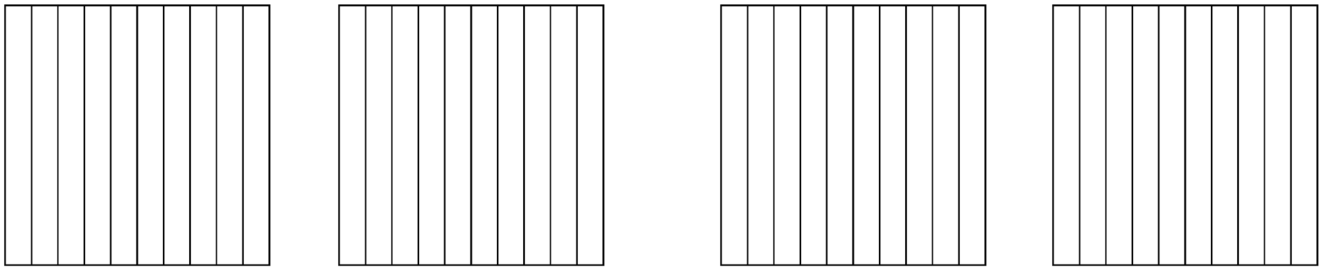
d. 8.39 _____ $8\frac{39}{10}$

e. $\frac{236}{100}$ _____ 2.36

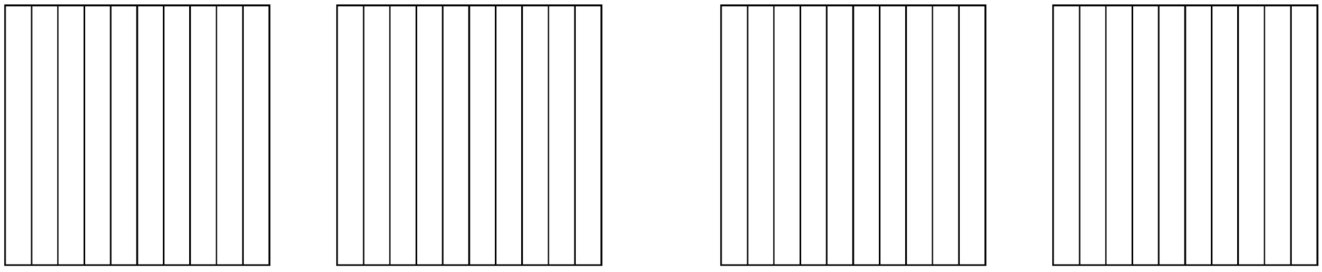
f. 3 tenths _____ 22 hundredths



_____



_____ _____



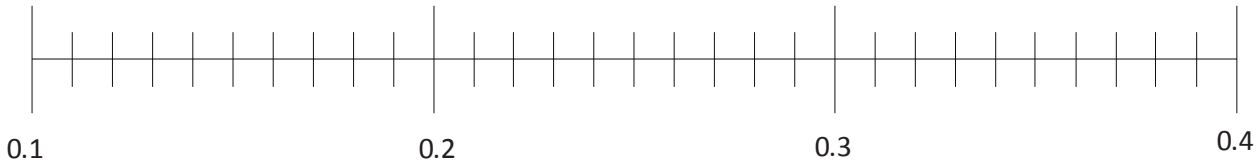
_____ _____

comparing with area models

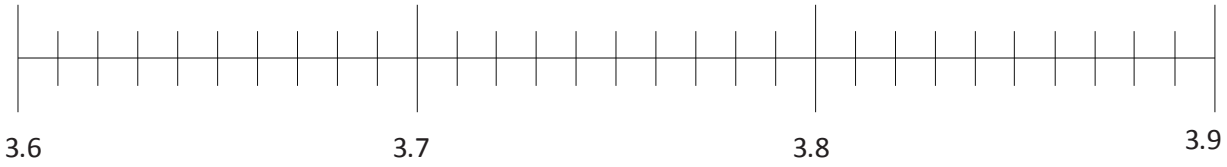
Name _____ Date _____

1. Plot the following points on the number line.

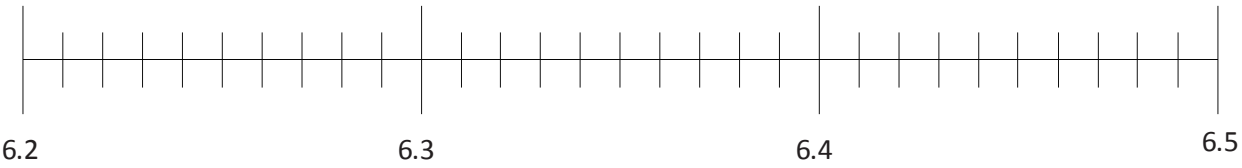
a. 0.2, $\frac{1}{10}$, 0.33, $\frac{12}{100}$, 0.21, $\frac{32}{100}$



b. 3.62, 3.7, $3\frac{85}{100}$, $\frac{38}{10}$, $\frac{364}{100}$



c. $6\frac{3}{10}$, 6.31, $\frac{628}{100}$, $\frac{62}{10}$, 6.43, 6.40



2. Arrange the following numbers in order from greatest to least using decimal form. Use the > symbol between each number.

   a. $\frac{27}{10}$, 2.07, $\frac{27}{100}$, $2\frac{71}{100}$, $\frac{227}{100}$, 2.72

   _____

   b. $12\frac{3}{10}$, 13.2, $\frac{134}{100}$, 13.02, $12\frac{20}{100}$

   _____

   c. $7\frac{34}{100}$, $7\frac{4}{10}$, $7\frac{3}{10}$, $\frac{750}{100}$, 75, 7.2

   _____

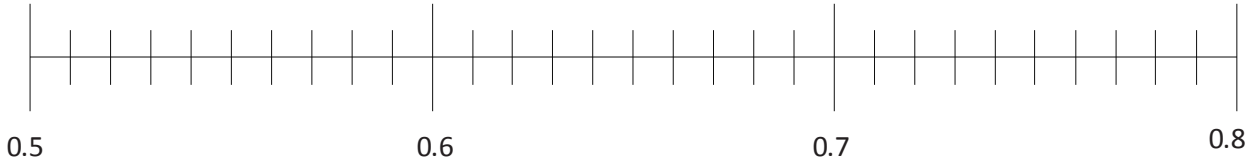
3. In the long jump event, Rhonda jumped 1.64 meters. Mary jumped $1\frac{6}{10}$ meters. Kerri jumped $\frac{94}{100}$ meter. Michelle jumped 1.06 meters. Who jumped the farthest?

4. In December, $2\frac{3}{10}$ feet of snow fell. In January, 2.14 feet of snow fell. In February, $2\frac{19}{100}$ feet of snow fell, and in March, $1\frac{1}{10}$ feet of snow fell. During which month did it snow the most? During which month did it snow the least?

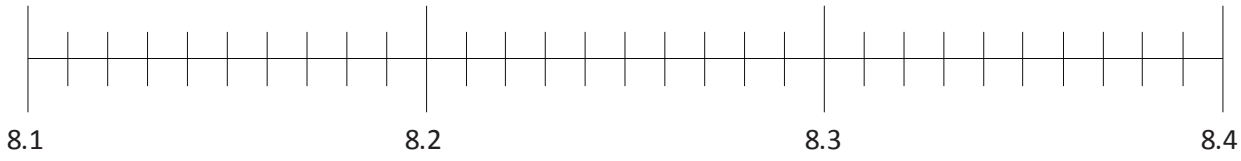
Name _____ Date _____

1. Plot the following points on the number line using decimal form.

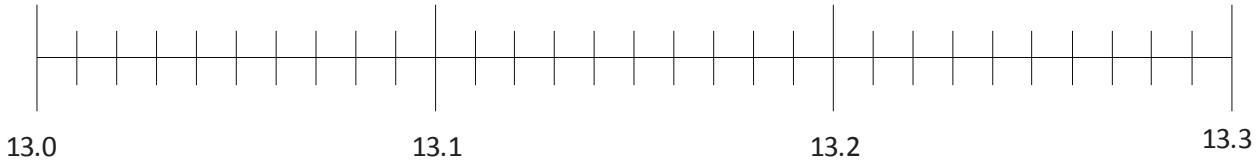
a. 0.6, $\frac{5}{10}$, 0.76, $\frac{79}{100}$, 0.53, $\frac{67}{100}$



b. 8 ones and 15 hundredths, $\frac{832}{100}$, $8\frac{27}{100}$, $\frac{82}{10}$, 8.1



c. $13\frac{12}{100}$, $\frac{130}{10}$, 13 ones and 3 tenths, 13.21, $13\frac{3}{100}$



2. Arrange the following numbers in order from greatest to least using decimal form. Use the > symbol between each number.

   a. 4.03, 4 ones and 33 hundredths, $\frac{34}{100}$, $4\frac{43}{100}$, $\frac{430}{100}$, 4.31

   b. $17\frac{5}{10}$, 17.55, $\frac{157}{10}$, 17 ones and 5 hundredths, 15.71, $15\frac{75}{100}$

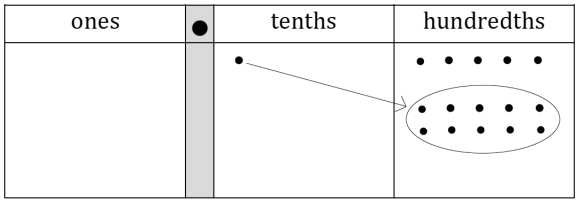
   c. 8 ones and 19 hundredths, $9\frac{8}{10}$, 81, $\frac{809}{100}$, 8.9, $8\frac{1}{10}$

3. In a paper airplane contest, Matt's airplane flew 9.14 meters. Jenna's airplane flew $9\frac{4}{10}$ meters. Ben's airplane flew $\frac{904}{100}$ meters. Leah's airplane flew 9.1 meters. Whose airplane flew the farthest?

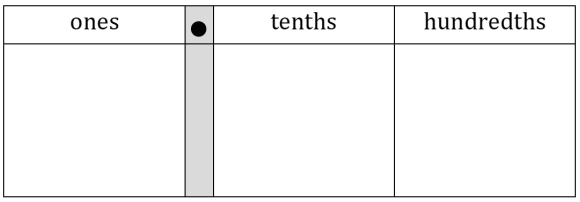
4. Becky drank $1\frac{41}{100}$ liters of water on Monday, 1.14 liters on Tuesday, 1.04 liters on Wednesday, $\frac{11}{10}$ liters on Thursday, and $1\frac{40}{100}$ liters on Friday. Which day did Becky drink the most? Which day did Becky drink the least?

Name _____ Date _____

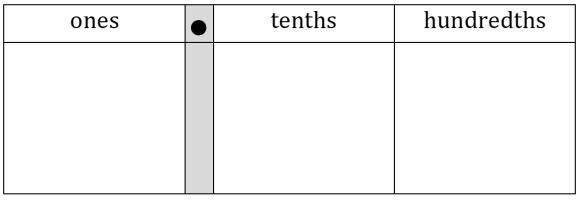
1. Complete the number sentence by expressing each part using hundredths. Model using the place value chart, as shown in part (a).



a. 1 tenth + 5 hundredths = _____ hundredths



b. 2 tenths + 1 hundredth = _____ hundredths



c. 1 tenth + 12 hundredths = _____ hundredths

2. Solve by converting all addends to hundredths before solving.

a. 1 tenth + 3 hundredths = _____ hundredths + 3 hundredths = _____ hundredths

b. 5 tenths + 12 hundredths = _____ hundredths + _____ hundredths = _____ hundredths

c. 7 tenths + 27 hundredths = _____ hundredths + _____ hundredths = _____ hundredths

d. 37 hundredths + 7 tenths = _____ hundredths + _____ hundredths = _____ hundredths

3. Find the sum. Convert tenths to hundredths as needed. Write your answer as a decimal.

a. $\frac{2}{10} + \frac{8}{100}$

b. $\frac{13}{100} + \frac{4}{10}$

c. $\frac{6}{10} + \frac{39}{100}$

d. $\frac{70}{100} + \frac{3}{10}$

4. Solve. Write your answer as a decimal.

a. $\frac{9}{10} + \frac{42}{100}$

b. $\frac{70}{100} + \frac{5}{10}$

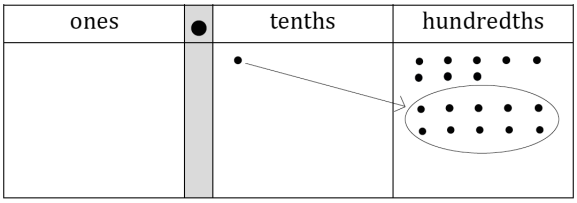
c. $\frac{68}{100} + \frac{8}{10}$

d. $\frac{7}{10} + \frac{87}{1v00}$

5. Beaker A has $\frac{63}{100}$ liter of iodine. It is filled the rest of the way with water up to 1 liter. Beaker B has $\frac{4}{10}$ liter of iodine. It is filled the rest of the way with water up to 1 liter. If both beakers are emptied into a large beaker, how much iodine does the large beaker contain?

Name _____ Date _____

1. Complete the number sentence by expressing each part using hundredths. Model using the place value chart, as shown in part (a).



a. 1 tenth + 8 hundredths = _____ hundredths

ones		tenths	hundredths

b. 2 tenths + 3 hundredths = _____ hundredths

ones		tenths	hundredths

c. 1 tenth + 14 hundredths = _____ hundredths

2. Solve by converting all addends to hundredths before solving.

a. 1 tenth + 2 hundredths = _____ hundredths + 2 hundredths = _____ hundredths

b. 4 tenths + 11 hundredths = _____ hundredths + _____ hundredths = _____ hundredths

c. 8 tenths + 25 hundredths = _____ hundredths + _____ hundredths = _____ hundredths

d. 43 hundredths + 6 tenths = _____ hundredths + _____ hundredths = _____ hundredths

3. Find the sum. Convert tenths to hundredths as needed. Write your answer as a decimal.

a. $\frac{3}{10} + \frac{7}{100}$

b. $\frac{16}{100} + \frac{5}{10}$

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

d. $\frac{20}{100} + \frac{8}{10}$

4. Solve. Write your answer as a decimal.

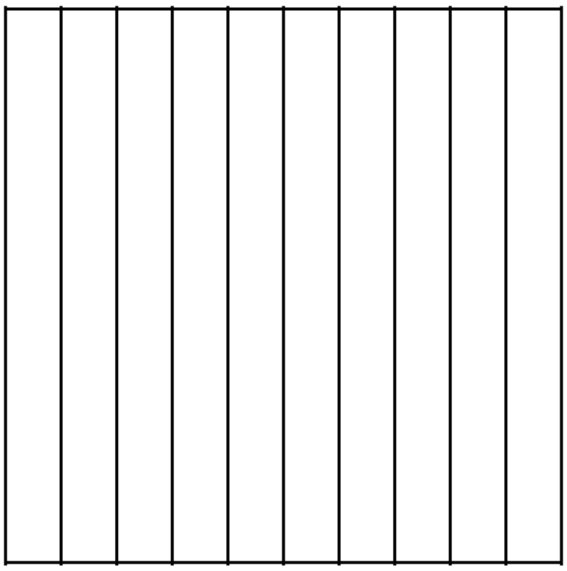
a. $\frac{5}{10} + \frac{53}{100}$

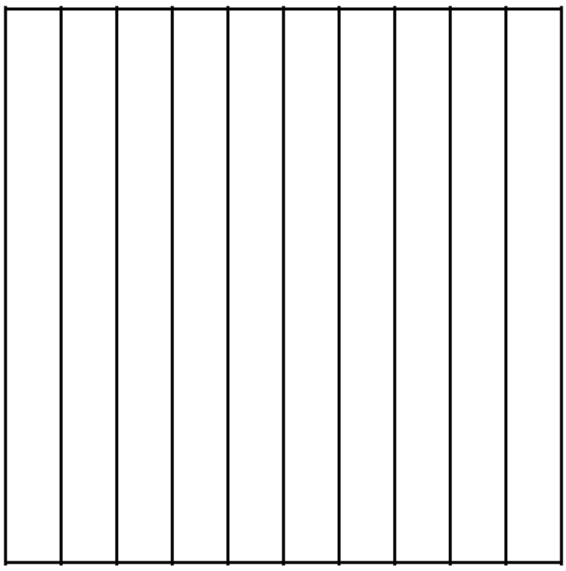
b. $\frac{27}{100} + \frac{8}{10}$

c. $\frac{4}{10} + \frac{78}{100}$

d. $\frac{98}{100} + \frac{7}{10}$

5. Cameron measured $\frac{65}{100}$ inch of rainwater on the first day of April. On the second day of April, he measured $\frac{83}{100}$ inch of rainwater. How many total inches of rainwater did Cameron measure on the first two days of April?





ones	●	tenths	hundredths

area model and place value chart

Name _____ Date _____

1. Solve. Convert tenths to hundredths before finding the sum. Rewrite the complete number sentence in decimal form. Problems 1(a) and 1(b) are partially completed for you.

a. $2\frac{1}{10}+\frac{3}{100}=2\frac{10}{100}+\frac{3}{100}=$ _____ $2.1+0.03=$ _____	b. $2\frac{1}{10}+5\frac{3}{100}=2\frac{10}{100}+5\frac{3}{100}=$ _____
c. $3\frac{24}{100}+\frac{7}{10}$	d. $3\frac{24}{100}+8\frac{7}{10}$

2. Solve. Then, rewrite the complete number sentence in decimal form.

a. $6\frac{9}{10}+1\frac{10}{100}$	b. $9\frac{9}{10}+2\frac{45}{100}$
c. $2\frac{4}{10}+8\frac{90}{100}$	d. $6\frac{37}{100}+7\frac{7}{10}$

3. Solve by rewriting the number sentence in fraction form. After solving, rewrite the complete number sentence in decimal form.

a. 6.4 + 5.3	b. 6.62 + 2.98
c. 2.1 + 0.94	d. 2.1 + 5.94
e. 5.7 + 4.92	f. 5.68 + 4.9
g. 4.8 + 3.27	h. 17.6 + 3.59

Name _____ Date _____

1. Solve. Convert tenths to hundredths before finding the sum. Rewrite the complete number sentence in decimal form. Problems 1(a) and 1(b) are partially completed for you.

a. $5\frac{2}{10}+\frac{7}{100}=5\frac{20}{100}+\frac{7}{100}=$ _____ 5.2 + 0.07 = _____	b. $5\frac{2}{10}+3\frac{7}{100}=8\frac{20}{100}+\frac{7}{100}=$ _____
c. $6\frac{5}{10}+\frac{1}{100}$	d. $6\frac{\mathbf{5}}{\mathbf{10}}+7\frac{1}{100}$

2. Solve. Then, rewrite the complete number sentence in decimal form.

a. $4\frac{9}{10}+5\frac{10}{100}$	b. $8\frac{7}{10}+2\frac{65}{100}$
c. $7\frac{3}{10}+6\frac{87}{100}$	d. $5\frac{48}{100}+7\frac{8}{10}$

3. Solve by rewriting the number sentence in fraction form. After solving, rewrite the complete number sentence in decimal form.

a. $2.1 + 0.87 = 2\frac{1}{10} + \frac{87}{100}$	b. $7.2 + 2.67$
c. $7.3 + 1.8$	d. $7.3 + 1.86$
e. $6.07 + 3.93$	f. $6.87 + 3.9$
g. $8.6 + 4.67$	h. $18.62 + 14.7$

Name _____ Date _____

1. Barrel A contains 2.7 liters of water. Barrel B contains 3.09 liters of water. Together, how much water do the two barrels contain?

2. Alissa ran a distance of 15.8 kilometers one week and 17.34 kilometers the following week. How far did she run in the two weeks?

3. An apple orchard sold 140.5 kilograms of apples in the morning and 15.85 kilograms more apples in the afternoon than in the morning. How many total kilograms of apples were sold that day?

4. A team of three ran a relay race. The final runner's time was the fastest, measuring 29.2 seconds. The middle runner's time was 1.89 seconds slower than the final runner's. The starting runner's time was 0.9 seconds slower than the middle runner's. What was the team's total time for the race?

Name _____ Date _____

1. The snowfall in Year 1 was 2.03 meters. The snowfall in Year 2 was 1.6 meters. How many total meters of snow fell in Years 1 and 2?

2. A deli sliced 22.6 kilograms of roast beef one week and 13.54 kilograms the next. How many total kilograms of roast beef did the deli slice in the two weeks?

3. The school cafeteria served 125.6 liters of milk on Monday and 5.34 more liters of milk on Tuesday than on Monday. How many total liters of milk were served on Monday and Tuesday?

4. Max, Maria, and Armen were a team in a relay race. Max ran his part in 17.3 seconds. Maria was 0.7 seconds slower than Max. Armen was 1.5 seconds slower than Maria. What was the total time for the team?