Name _____   Date _____

1. Fill in the blank to make the sentence true in both fraction form and decimal form.

   a. $\frac{9}{10}$ cm + _____ cm = 1 cm   0.9 cm + _____ cm = 1.0 cm

   b. $\frac{4}{10}$ cm + _____ cm = 1 cm   0.4 cm + _____ cm = 1.0 cm

2. Match each amount expressed in unit form to its fraction form and decimal form.

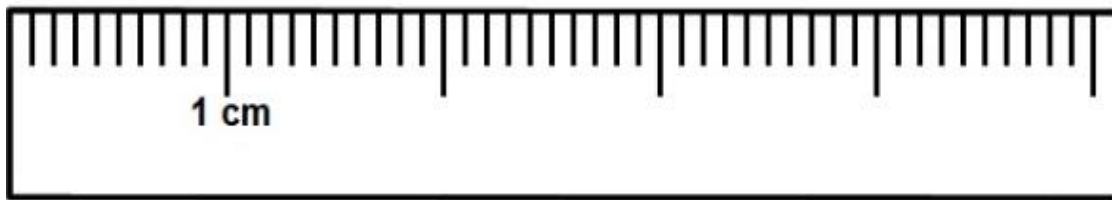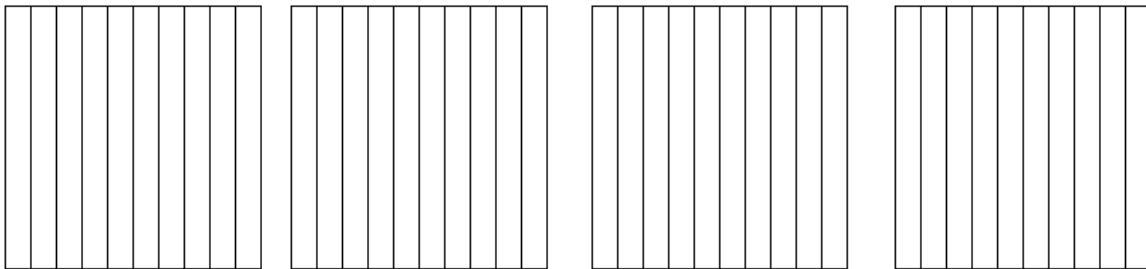| 3 tenths	$\frac{5}{10}$	0.8
8 tenths	$\frac{8}{10}$	0.3
5 tenths	$\frac{3}{10}$	0.5

Name _____   Date _____

a. Write each decimal as a mixed number.
    Put an arrow where the number is found on the ruler.
    (The centimeter ruler is not to scale.)

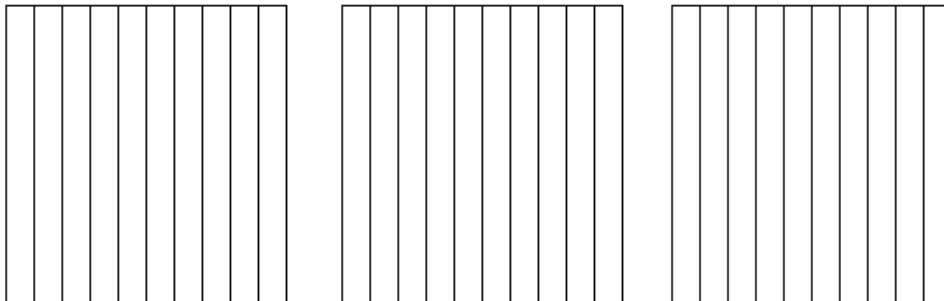b. 4.8 cm = _____

1 cm

2. Write the following in decimal form <u>and</u> as a mixed number.
    Shade the area model to match.

a. 3 ones and 7 tenths = _____ = _____

c. $\frac{24}{10}$ = _____ = _____ How much more is needed to get to 3? _____

Name _____   Date _____

1. Circle groups of tenths to make as many ones as possible.

a. How many tenths in all?	Write and draw the same number using ones and tenths.
0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 There are _____ tenths.	 Decimal Form: _____ How much more is needed to get to 2? _____

2. Complete the chart.

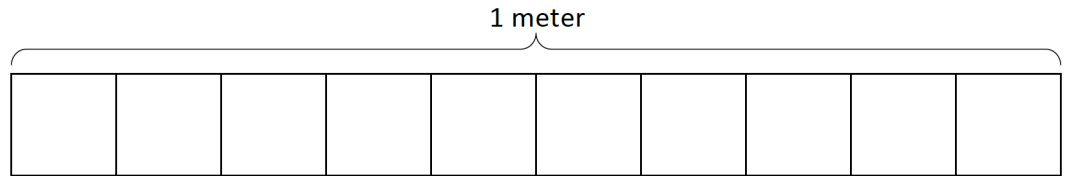|	Point on Number Line	Decimal Form	Mixed Number (ones and fraction form)	Expanded Form (fraction or decimal form)	How much to get to the next one?
a.			$12\dfrac{9}{10}$		
b.		70.7			

Name _____   Date _____

1. Shade in the amount shown. Write the equivalent decimal.

1 meter

$\dfrac{6}{10}$ m = _____

2. Write each fraction as a decimal.

Write each decimal as a number bond showing tenths and hundredths.

<u>Number Bond</u>

a. $\dfrac{62}{100}$ m = _____

b. $\dfrac{27}{100}$ m = _____

Name _____   Date _____

1. Draw the decimal disks for each number. Write the equivalent decimal and fill in the blanks to represent each in unit form.

a. $\dfrac{7}{100} = 0.$____	b. $\dfrac{34}{100} = 0.$____
___ hundredths	___ tenths ___ hundredths

Name _____   Date _____
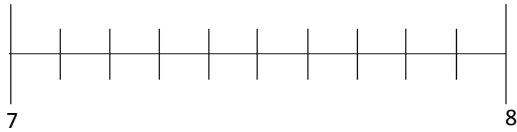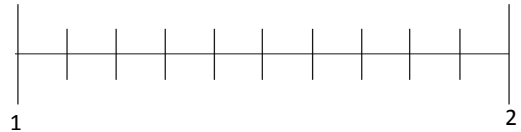
1. Write each fraction as a decimal. Estimate to locate the points on the number lines.

   a. $7\frac{20}{100}$

   7   8

   b. $1\frac{75}{100}$

   1   2

2. Write the equivalent fraction and decimal for each number.

   a. 8 ones 24 hundredths   b. 2 ones 6 hundredths

Name _____

1. 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 _____.

2. Complete the following chart.

Fraction	Expanded Form		Decimal
	Fraction Notation	**Decimal Notation**	
$422\dfrac{8}{100}$			
	$300 + \dfrac{9}{10} + \dfrac{2}{100}$		

Name _____   Date _____

1. Draw number disks to represent the following decomposition:

a. 3 ones 2 tenths = _____ tenths

ones	.	tenths	hundredths

b. 3 ones 2 tenths = _____ hundredths

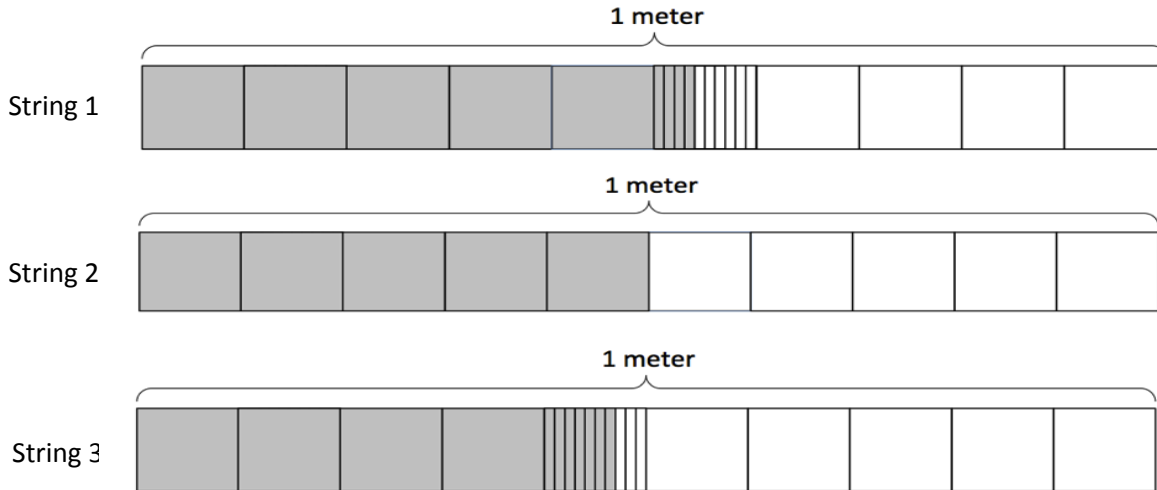2. Decompose the units.

    a. 2.6 = _____ tenths   b. 6.1 = _____ hundredths

Name _____   Date _____

1.

   a. Doug measured the lengths of three strings and shaded tape diagrams to represent the length of each string, as shown below. Express the length of each string in decimal form.

String 1 = _____

String 2 = _____

String 3 = _____

   b. List the lengths of the strings in order from greatest to least.

   _____

2. Compare the values below using >, <, or =.

   a. 0.8 kg _____ 0.6 kg   b. 0.36 kg _____ 0.5 kg
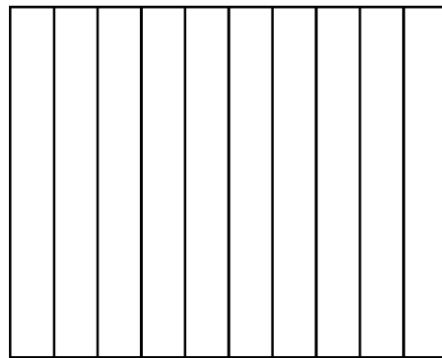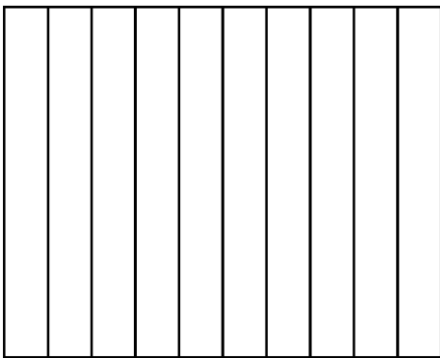
Name _____   Date _____

1. Ryan says that 0.6 is less than 0.60 because it has fewer digits. Jessie says that 0.6 is greater than 0.60. Who is right? Why? Use the area models below to help explain your answer.

<center>0.6 _____ 0.60</center>

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

   a. 3.9 _____ 3.09

   b. 2.4 _____ 2 ones and 4 hundredths

   c. 7.84 _____ 78 tenths and 4 hundredths

Name _____ Date _____

Solve. Give the total amount of money in fraction and decimal form.

1.   2 quarters and 3 dimes

2.   1 quarter, 7 dimes, and 23 pennies

Solve. Express the answer as a decimal.

3.   2 dollars 1 quarter 14 pennies + 3 dollars 2 quarter 3 dimes

Name _____   Date _____

Use the RDW process to solve. Write your answer as a decimal.

1. David's mother told him that he could keep all the money he found under the sofa cushions in their house. David found 6 quarters, 4 dimes, and 26 pennies. How much money did David find altogether?