

WEEK 1

- Please complete 1 worksheet a day (one-sided)(Monday-Friday) with your child.

****IF you have internet access**, all of these lessons can be used with help videos and extra practice on Khan Academy:

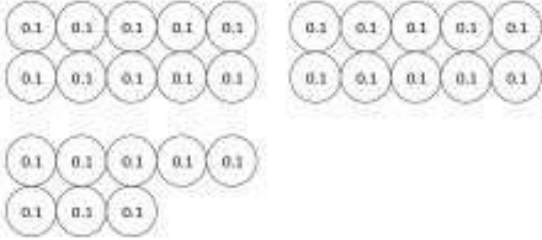
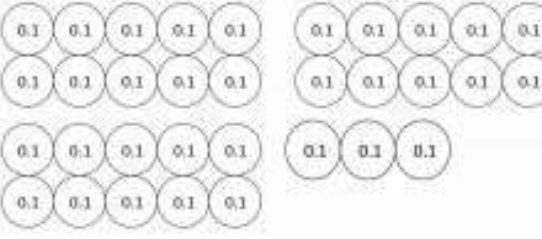
- Go to www.khanacademy.org/math/engageny
- Click on your grade level
- Locate the Module needed
- There you will find videos and extra practice.
- If you have any questions please reach out to your teacher.

KHAN ACADEMY IS NOT A MANDATORY PART OF THE PACKET--JUST A RESOURCE IF YOU HAVE ACCESS.

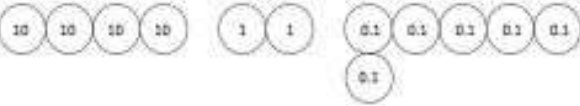
Name _____

Date _____

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

<p>a. How many tenths in all?</p>  <p>There are _____ tenths.</p>	<p>Write and draw the same number using ones and tenths.</p> <p>Decimal Form: _____</p> <p>How much more is needed to get to 3? _____</p>
<p>b. How many tenths in all?</p>  <p>There are _____ tenths.</p>	<p>Write and draw the same number using ones and tenths.</p> <p>Decimal Form: _____</p> <p>How much more is needed to get to 4? _____</p>

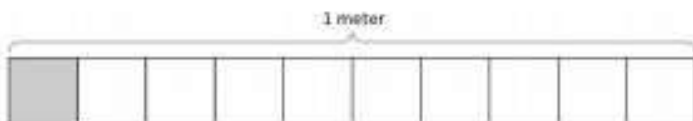
2. Draw disks to represent each number using tens, ones, and tenths. Then, show the expanded form of the number in fraction form and decimal form as shown. The first one has been completed for you.

<p>a. 4 tens 2 ones 6 tenths</p>  <p>Fraction Expanded Form $(4 \times 10) + (2 \times 1) + (6 \times \frac{1}{10}) = 42\frac{6}{10}$</p> <p>Decimal Expanded Form $(4 \times 10) + (2 \times 1) + (6 \times 0.1) = 42.6$</p>	<p>b. 1 ten 7 ones 5 tenths</p>
--	---------------------------------

Name _____

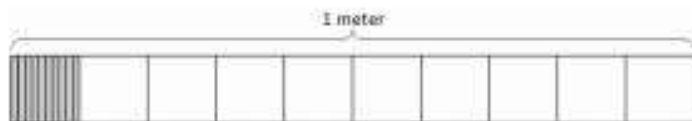
Date _____

1. a. What is the length of the shaded part of the meter stick in centimeters?



- b. What fraction of a meter is 1 centimeter?

- c. In fraction form, express the length of the shaded portion of the meter stick.



- d. In decimal form, express the length of the shaded portion of the meter stick.

- e. What fraction of a meter is 10 centimeters?

2. Fill in the blanks.

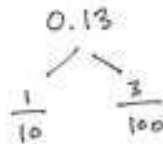
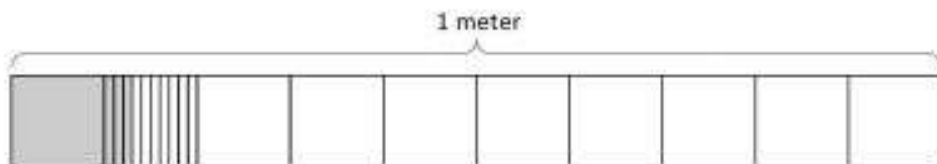
a. 1 tenth = ____ hundredths

b. $\frac{1}{10}$ m = $\frac{\quad}{100}$ m

c. $\frac{2}{10}$ m = $\frac{20}{\quad}$ m

3. Use the model to add the shaded parts as shown. Write a number bond with the total written in decimal form and the parts written as fractions. The first one has been done for you.

a.



$$\frac{1}{10} \text{ m} + \frac{3}{100} \text{ m} = \frac{13}{100} \text{ m} = 0.13 \text{ m}$$

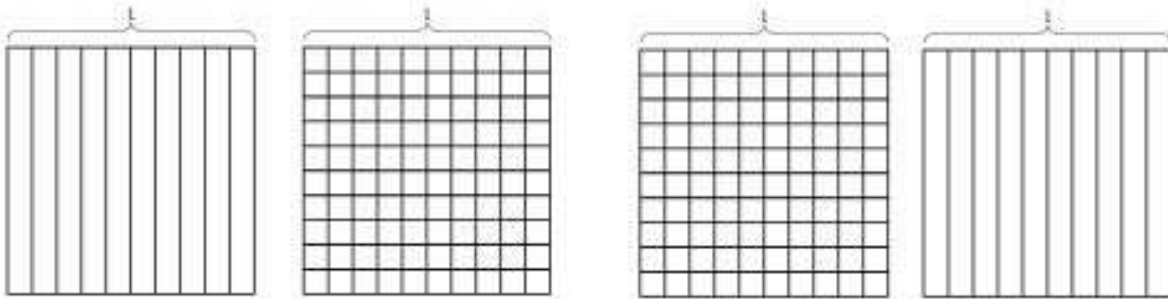
Name _____

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

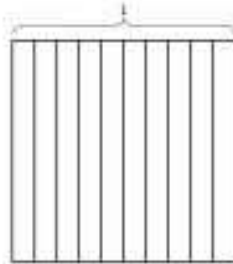


2. Complete the number sentences. Shade the equivalent amount on the area model, drawing horizontal lines to make hundredths.

a. 37 hundredths = _____ tenths + _____ hundredths

Fraction form: _____

Decimal form: _____



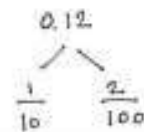
b. 75 hundredths = _____ tenths + _____ hundredths

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.



_____ hundredths = _____ tenth + _____ hundredths

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

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

b.

5 hundreds 4 hundredths

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

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

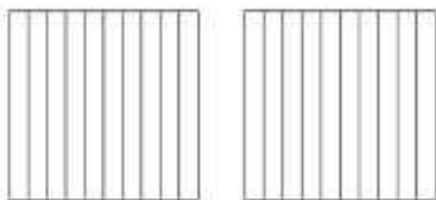
- e. The digit _____ is in the hundreds place. It has a value of _____.
- f. The digit _____ is in the tens place. It has a value of _____.
- g. The digit _____ is in the tenths place. It has a value of _____.
- h. The digit _____ is in the hundredths place. It has a value of _____.

Name _____

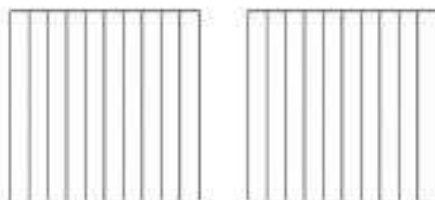
Date _____

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.

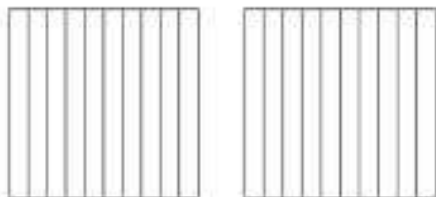
a. 0.23 _____ 0.4



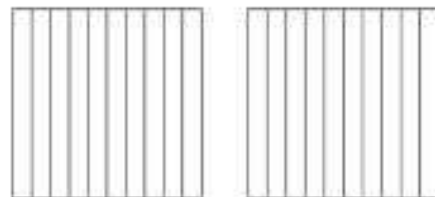
b. 0.6 _____ 0.38



c. 0.09 _____ 0.9

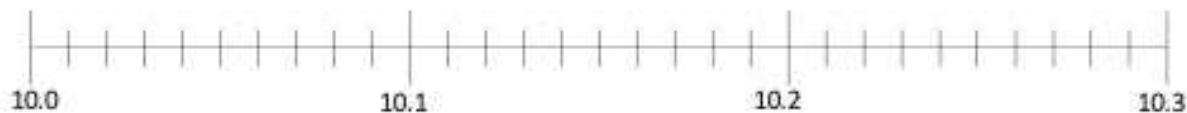


d. 0.70 _____ 0.7



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



WEEK 2

- Please complete 1 worksheet a day (one-sided)(Monday-Friday) with your child.

****IF you have internet access**, all of these lessons can be used with help videos and extra practice on Khan Academy:

- Go to www.khanacademy.org/math/engageny
- Click on your grade level
- Locate the Module needed
- There you will find videos and extra practice.
- If you have any questions please reach out to your teacher.

KHAN ACADEMY IS NOT A MANDATORY PART OF THE PACKET--JUST A RESOURCE IF YOU HAVE ACCESS.

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.

<p>a. $2\frac{1}{10} + \frac{3}{100} = 2\frac{10}{100} + \frac{3}{100} = \underline{\hspace{2cm}}$</p> <p>$2.1 + 0.03 = \underline{\hspace{2cm}}$</p>	<p>b. $2\frac{1}{10} + 5\frac{3}{100} = 2\frac{10}{100} + 5\frac{3}{100} = \underline{\hspace{2cm}}$</p>
<p>c. $3\frac{24}{100} + \frac{7}{10}$</p>	<p>d. $3\frac{24}{100} + 8\frac{7}{10}$</p>

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

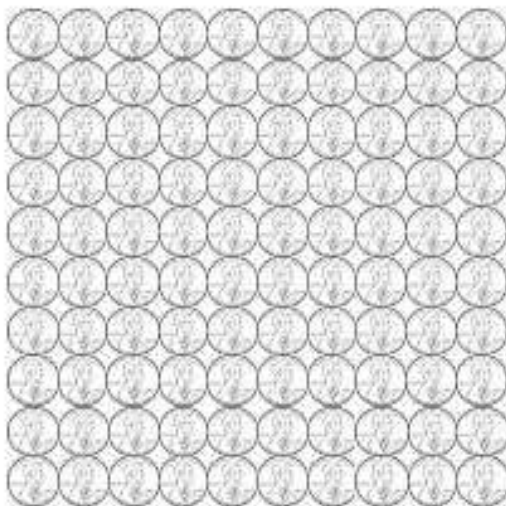
<p>a. $6\frac{9}{10} + 1\frac{10}{100}$</p>	<p>b. $9\frac{9}{10} + 2\frac{45}{100}$</p>
<p>c. $2\frac{4}{10} + 8\frac{90}{100}$</p>	<p>d. $6\frac{37}{100} + 7\frac{7}{10}$</p>

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 _____



- 100 pennies = \$ _____ $100\text{¢} = \frac{\quad}{100}$ dollar
- 1 penny = \$ _____ $1\text{¢} = \frac{\quad}{100}$ dollar
- 6 pennies = \$ _____ $6\text{¢} = \frac{\quad}{100}$ dollar
- 10 pennies = \$ _____ $10\text{¢} = \frac{\quad}{100}$ dollar
- 26 pennies = \$ _____ $26\text{¢} = \frac{\quad}{100}$ dollar



- 10 dimes = \$ _____ $100\text{¢} = \frac{\quad}{10}$ dollar
- 1 dime = \$ _____ $10\text{¢} = \frac{\quad}{10}$ dollar
- 3 dimes = \$ _____ $30\text{¢} = \frac{\quad}{10}$ dollar
- 5 dimes = \$ _____ $50\text{¢} = \frac{\quad}{10}$ dollar
- 6 dimes = \$ _____ $60\text{¢} = \frac{\quad}{10}$ dollar

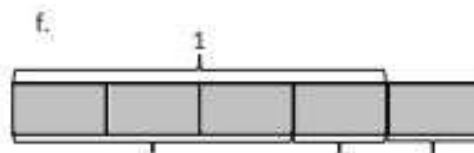
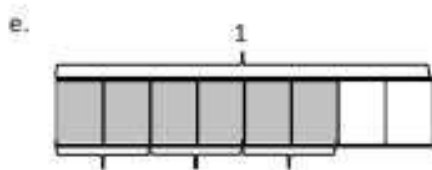
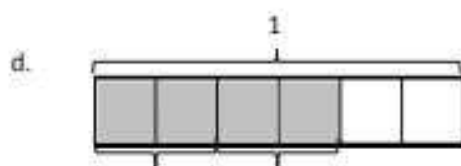
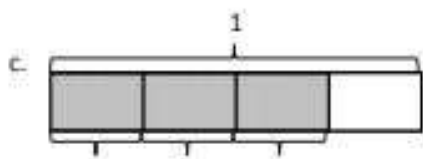
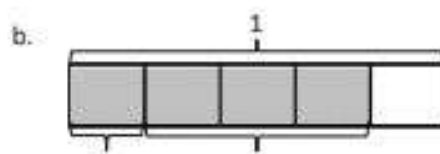
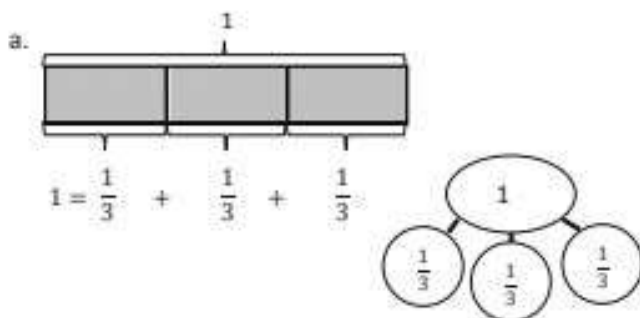
- 4 quarters = \$ _____ $100\text{¢} = \frac{\quad}{100}$ dollar
- 1 quarter = \$ _____ $25\text{¢} = \frac{\quad}{100}$ dollar
- 2 quarters = \$ _____ $50\text{¢} = \frac{\quad}{100}$ dollar
- 3 quarters = \$ _____ $75\text{¢} = \frac{\quad}{100}$ dollar



Name _____

Date _____

1. Draw a number bond, and write the number sentence to match each tape diagram. The first one is done for you.

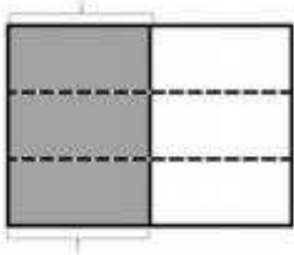


Name _____

Date _____

1. Draw horizontal lines to decompose each rectangle into the number of rows as indicated. Use the model to give the shaded area as both a sum of unit fractions and as a multiplication sentence.

- a. 3 rows

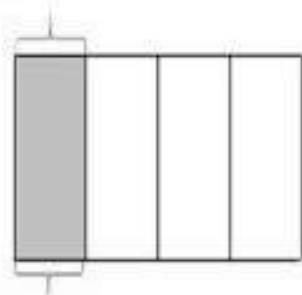


$$\frac{1}{2} = \frac{3}{6}$$

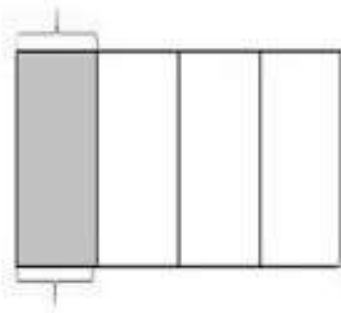
$$\frac{1}{2} = \frac{1}{6} + \frac{1}{6} + \frac{1}{6} = \frac{3}{6}$$

$$\frac{1}{2} = 3 \times \frac{1}{6} = \frac{3}{6}$$

- b. 2 rows



- c. 4 rows



WEEK 3

- Please complete 1 worksheet a day (one-sided)(Monday-Friday) with your child.

****IF you have internet access**, all of these lessons can be used with help videos and extra practice on Khan Academy:

- Go to www.khanacademy.org/math/engageny
- Click on your grade level
- Locate the Module needed
- There you will find videos and extra practice.
- If you have any questions please reach out to your teacher.

KHAN ACADEMY IS NOT A MANDATORY PART OF THE PACKET--JUST A RESOURCE IF YOU HAVE ACCESS.

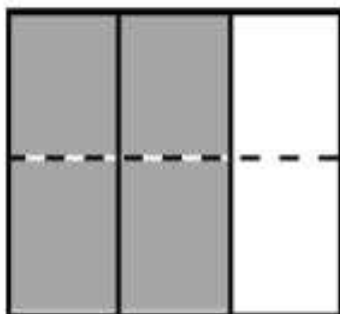
Name _____

Date _____

Each rectangle represents 1.

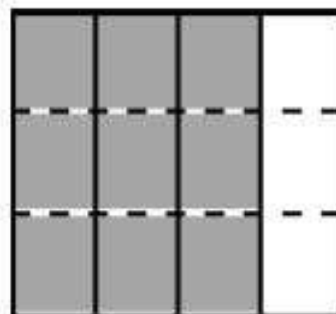
1. The shaded fractions have been decomposed into smaller units. Express the equivalent fractions in a number sentence using multiplication. The first one has been done for you.

a.

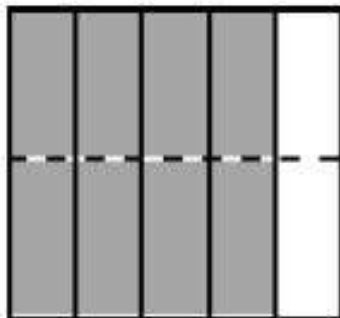


$$\frac{2}{3} = \frac{2 \times 2}{3 \times 2} = \frac{4}{6}$$

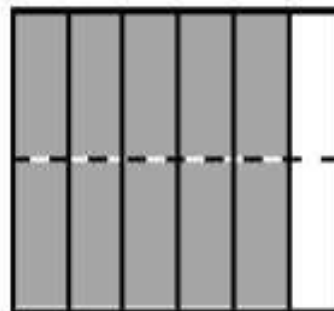
b.



c.

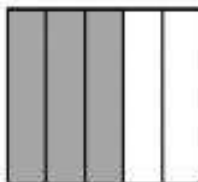


d.

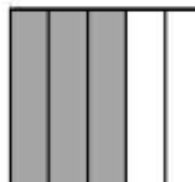


2. Decompose the shaded fractions into smaller units, as given below. Express the equivalent fractions in a number sentence using multiplication.

a. Decompose into tenths.



b. Decompose into fifteenths.



3. Draw area models to prove that the following number sentences are true.

a. $\frac{2}{5} = \frac{4}{10}$

b. $\frac{2}{3} = \frac{8}{12}$

c. $\frac{3}{6} = \frac{6}{12}$

d. $\frac{4}{6} = \frac{8}{12}$

4. Use multiplication to find an equivalent fraction for each fraction below.

a. $\frac{3}{4}$

b. $\frac{4}{5}$

c. $\frac{7}{6}$

d. $\frac{12}{7}$

5. Determine which of the following are true number sentences. Correct those that are false by changing the right-hand side of the number sentence.

a. $\frac{4}{3} = \frac{8}{9}$

b. $\frac{5}{4} = \frac{10}{8}$

c. $\frac{4}{5} = \frac{12}{10}$

d. $\frac{4}{6} = \frac{12}{18}$

4. Use division to rename each fraction given below. Draw a model if that helps you. See if you can use the largest common factor.

a. $\frac{4}{8}$

b. $\frac{12}{16}$

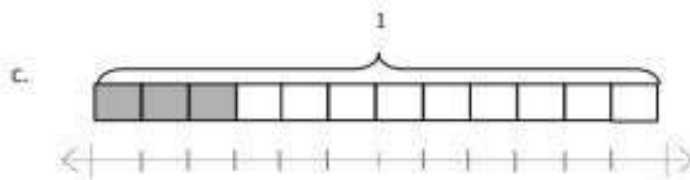
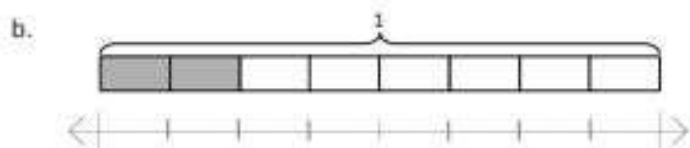
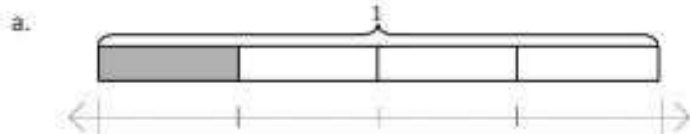
c. $\frac{12}{20}$

d. $\frac{16}{20}$

Name _____

Date _____

1. Label each number line with the fractions shown on the tape diagram. Circle the fraction that labels the point on the number line that also names the shaded part of the tape diagram.



Name _____

Date _____

1. a. Plot the following points on the number line without measuring.

i. $\frac{1}{3}$

ii. $\frac{5}{6}$

iii. $\frac{7}{12}$



- b. Use the number line in Part (a) to compare the fractions by writing
- $>$
- ,
- $<$
- , or
- $=$
- on the lines.

i. $\frac{7}{12}$ _____ $\frac{1}{2}$

ii. $\frac{7}{12}$ _____ $\frac{5}{6}$

2. a. Plot the following points on the number line without measuring.

i. $\frac{11}{12}$

ii. $\frac{1}{4}$

iii. $\frac{3}{8}$



- b. Select two fractions from Part (a), and use the given number line to compare them by writing
- $>$
- ,
- $<$
- , or
- $=$
- .

- c. Explain how you plotted the points in Part (a).

WEEK 4

- Please complete 1 worksheet a day (one-sided)(Monday-Friday) with your child.

****IF you have internet access**, all of these lessons can be used with help videos and extra practice on Khan Academy:

- Go to www.khanacademy.org/math/engageny
- Click on your grade level
- Locate the Module needed
- There you will find videos and extra practice.
- If you have any questions please reach out to your teacher.

KHAN ACADEMY IS NOT A MANDATORY PART OF THE PACKET--JUST A RESOURCE IF YOU HAVE ACCESS.

Name _____ Date _____

1. a. Plot the following points on the number line without measuring.

i. $\frac{2}{3}$

ii. $\frac{1}{6}$

iii. $\frac{4}{10}$



- b. Use the number line in Part (a) to compare the fractions by writing
- $>$
- ,
- $<$
- , or
- $=$
- on the lines.

i. $\frac{2}{3}$ _____ $\frac{1}{2}$

ii. $\frac{4}{10}$ _____ $\frac{1}{6}$

2. a. Plot the following points on the number line without measuring.

i. $\frac{5}{12}$

ii. $\frac{3}{4}$

iii. $\frac{2}{6}$



- b. Select two fractions from Part (a), and use the given number line to compare them by writing
- $>$
- ,
- $<$
- , or
- $=$
- .

- c. Explain how you plotted the points in Part (a).

3. Compare the fractions given below by writing $>$ or $<$ on the lines.

Give a brief explanation for each answer referring to the benchmark of 0 , $\frac{1}{2}$, and 1 .

a. $\frac{1}{2}$ _____ $\frac{1}{4}$

b. $\frac{6}{8}$ _____ $\frac{1}{2}$

c. $\frac{3}{4}$ _____ $\frac{3}{5}$

d. $\frac{4}{6}$ _____ $\frac{9}{12}$

e. $\frac{2}{3}$ _____ $\frac{1}{4}$

f. $\frac{4}{5}$ _____ $\frac{8}{12}$

g. $\frac{1}{3}$ _____ $\frac{3}{6}$

h. $\frac{7}{8}$ _____ $\frac{3}{5}$

i. $\frac{51}{100}$ _____ $\frac{5}{10}$

j. $\frac{8}{14}$ _____ $\frac{49}{100}$

2. Rename the fractions, as needed, using multiplication in order to compare each pair of fractions by writing $>$, $<$, or $=$.

a. $\frac{3}{5}$ _____ $\frac{5}{6}$

b. $\frac{2}{6}$ _____ $\frac{3}{8}$

c. $\frac{7}{5}$ _____ $\frac{10}{8}$

d. $\frac{4}{3}$ _____ $\frac{6}{5}$

3. Use any method to compare the fractions. Record your answer using $>$, $<$, or $=$.

a. $\frac{3}{4}$ _____ $\frac{7}{8}$

b. $\frac{6}{8}$ _____ $\frac{3}{5}$

c. $\frac{6}{4}$ _____ $\frac{8}{6}$

d. $\frac{8}{5}$ _____ $\frac{9}{6}$

Name _____ Date _____

1. Solve.

a. 3 fifths $-$ 1 fifth = _____

b. 5 fifths $-$ 3 fifths = _____

c. 3 halves $-$ 2 halves = _____

d. 6 fourths $-$ 3 fourths = _____

2. Solve.

a. $\frac{5}{6} - \frac{3}{6}$

b. $\frac{6}{8} - \frac{4}{8}$

c. $\frac{3}{10} - \frac{3}{10}$

d. $\frac{5}{5} - \frac{4}{5}$

e. $\frac{5}{4} - \frac{4}{4}$

f. $\frac{5}{4} - \frac{3}{4}$

3. Solve. Use a number bond to show how to convert the difference to a mixed number. Problem (a) has been completed for you.

$$a. \frac{12}{8} - \frac{3}{8} = \frac{9}{8} = 1\frac{1}{8}$$

b. $\frac{12}{6} - \frac{5}{6}$

c. $\frac{9}{5} - \frac{3}{5}$

d. $\frac{14}{8} - \frac{3}{8}$

e. $\frac{8}{4} - \frac{2}{4}$

f. $\frac{15}{10} - \frac{3}{10}$

Name _____ Date _____

1. Solve.

a. $3\frac{1}{4} + \frac{1}{4}$

b. $7\frac{3}{4} + \frac{1}{4}$

c. $\frac{3}{8} + 5\frac{2}{8}$

d. $\frac{1}{8} + 6\frac{7}{8}$

2. Complete the number sentences:

a. $4\frac{7}{8} + \underline{\hspace{1cm}} = 5$	b. $7\frac{2}{5} + \underline{\hspace{1cm}} = 8$
c. $3 = 2\frac{1}{6} + \underline{\hspace{1cm}}$	d. $12 = 11\frac{1}{12} + \underline{\hspace{1cm}}$

3. Use a number bond and the arrow way to show how to make one. Solve.

a. $2\frac{3}{4} + \frac{2}{4}$

b. $3\frac{3}{5} + \frac{3}{5}$