Name _____
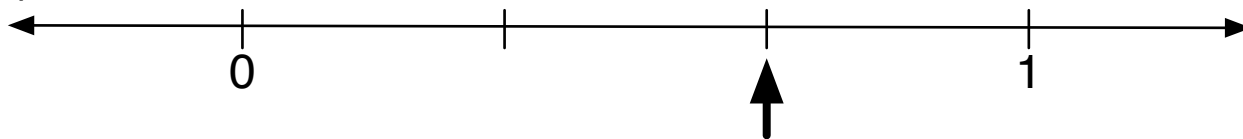
Homework

The arrow is pointing to a number on the number line. Which rectangle shows the same amount?

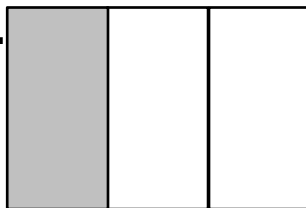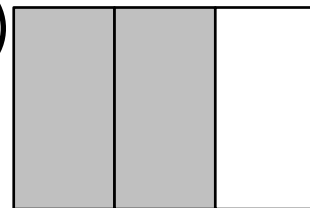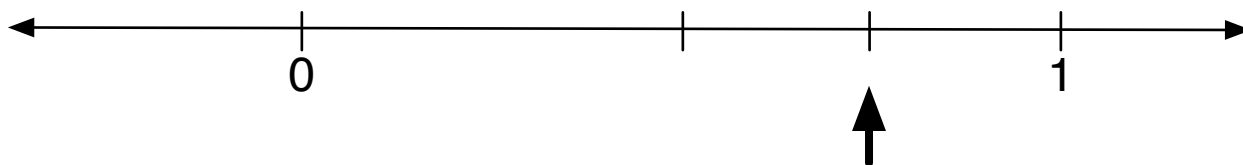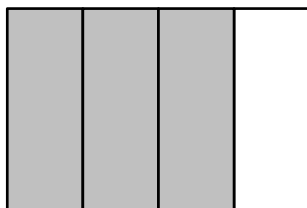*Example:*

A. **B.** **C.**

Explain your thinking below.

On the number line, the point is two thirds of the distance from 0 to 1. I knew that because the distance from 0 to 1 is divided into 3 equal parts and the arrow is pointing to the second. Answer choice C also showed two thirds because the rectangle is divided into 3 equal parts and 2 of those parts are shaded.
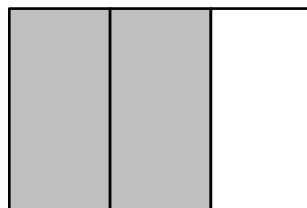
- -

1)

A. **B.** **C.**

Explain your thinking below.

_____

_____

_____

_____

Name _____

Homework

2)

0   ↑   1

A.   **B.**   **C.**

Explain your thinking below.

_____

_____

_____

_____

3)

0   ↑   1

A.   **B.**   **C.**
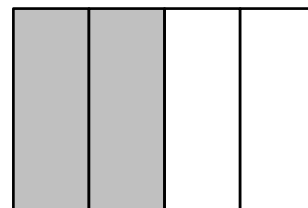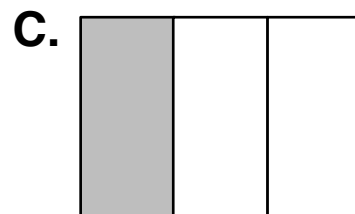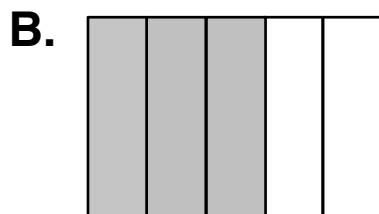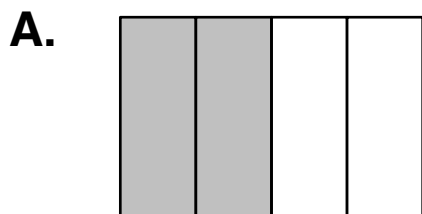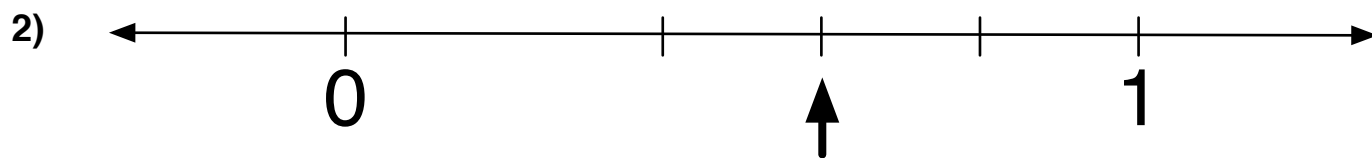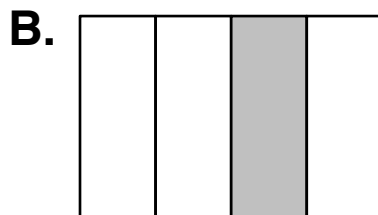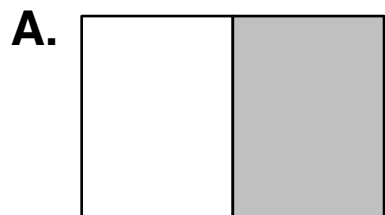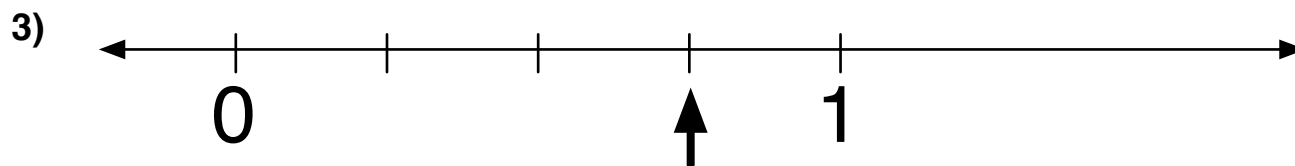
Explain your thinking below.

_____

_____

_____

_____

Name _____

Homework

Example: What fraction belongs in the box?

orange	
yellow	yellow

0    $\dfrac{1}{2}$ 1
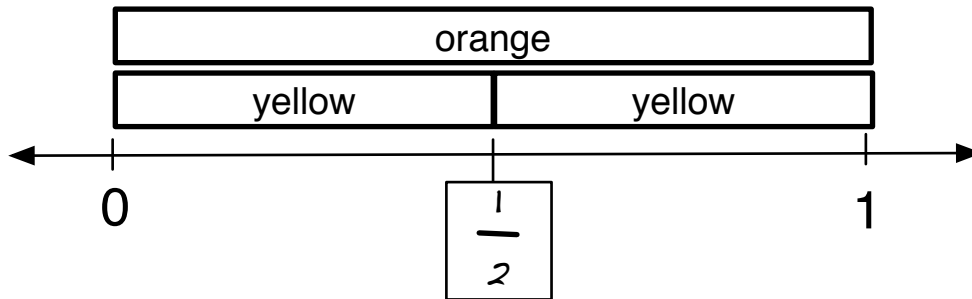
How many subunits are in the unit? ___2___

- -

1. What fractions belong in the boxes?

brown			
red	red	red	red

0   ☐   ☐   ☐   1
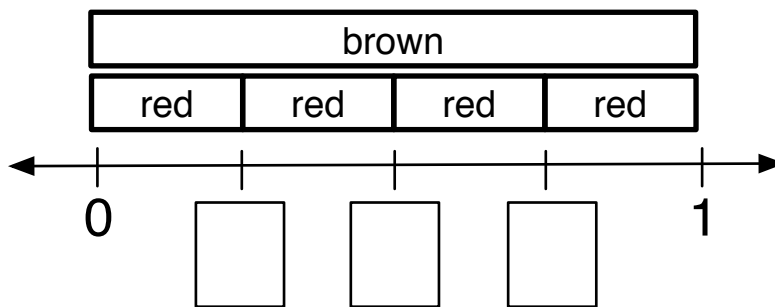
How many subunits are in the unit? _____

2. What fractions belong in the boxes?

blue		
light green	light green	light green

0   ☐   ☐   1
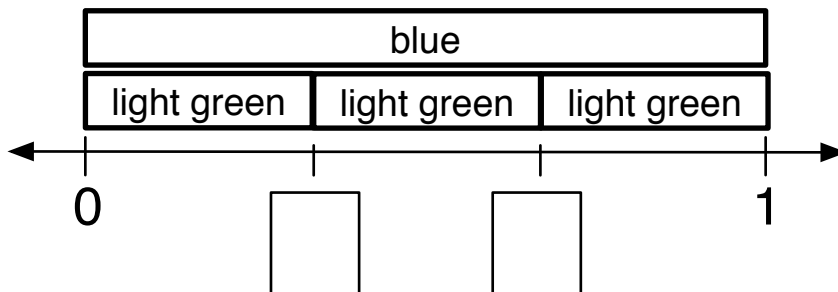
How many subunits are in the unit? _____

Name _____

Homework

3. What fractions belong in the boxes?

dark green					
w	w	w	w	w	w

0   1
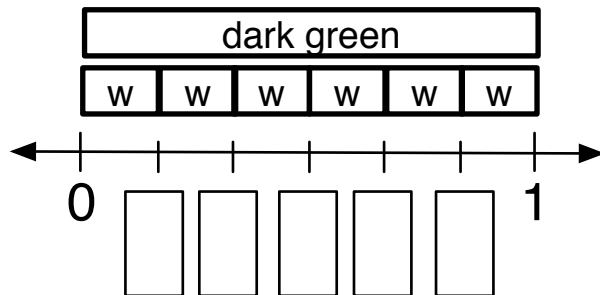
How many subunits are in the unit? _____

4. What fractions belong in the boxes?

orange				
red	red	red	red	red

0   1
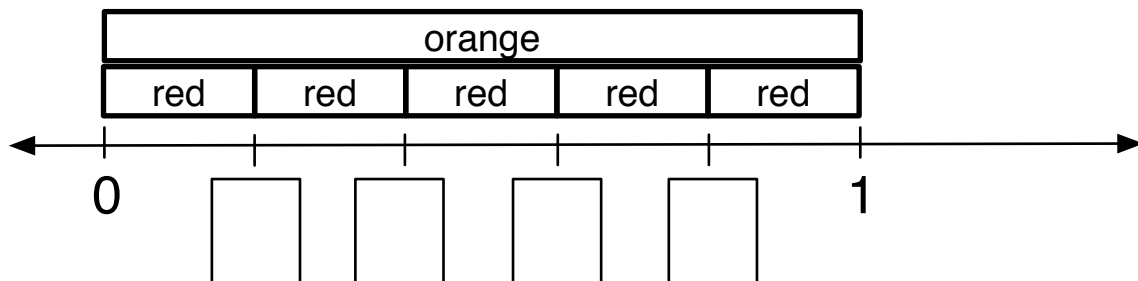
How many subunits are in the unit? _____

5. What fractions belong in the boxes?

brown							
w	w	w	w	w	w	w	w

0   1
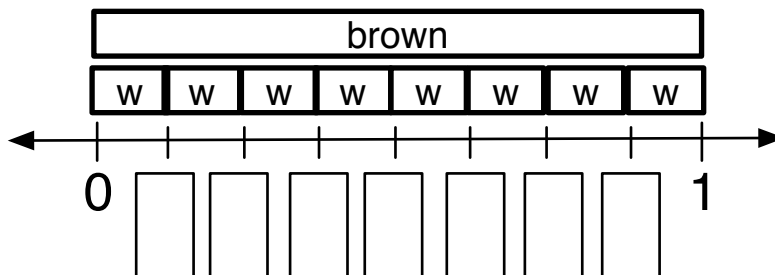
How many subunits are in the unit? _____

Name _____

Homework

Example: What fractions belong in the box?

$$\frac{1}{6} \quad \frac{2}{6} \quad \frac{3}{6} \quad \frac{4}{6} \quad \frac{5}{6}$$

- -
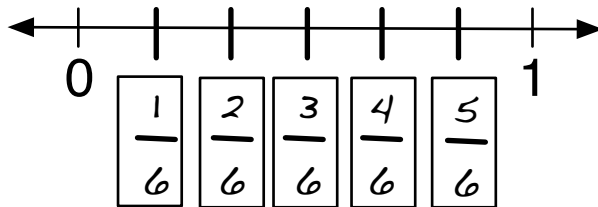
1. What fractions belong in the boxes?

2. What fractions belong in the boxes?

3. What fractions belong in the boxes?

Name _____

Homework

4. What fractions belong in the boxes?
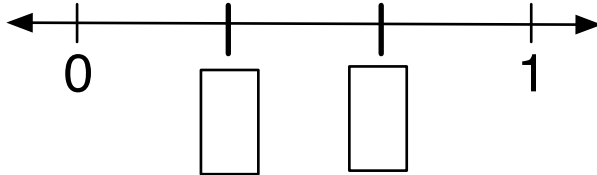
5. What fractions belong in the boxes?
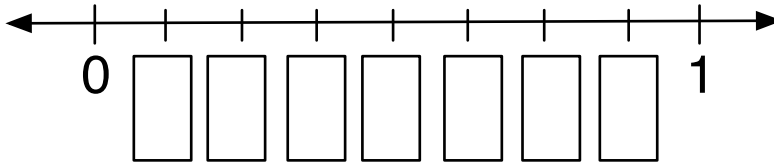
6. What fractions belong in the boxes?
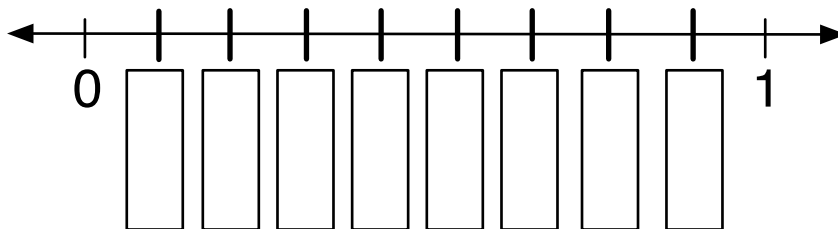
7. What fractions belong in the boxes?
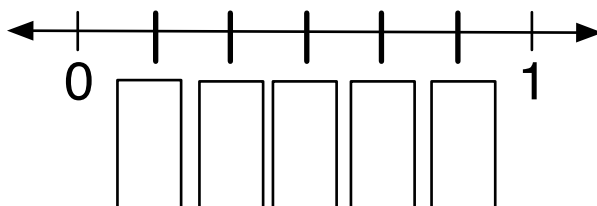
Name _____

Homework

1. Write the number that belongs in each box.

Example:

0     $\frac{1}{6}$ $\frac{3}{6}$ 1

- -

A)

0   1
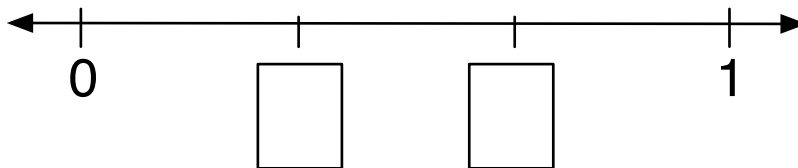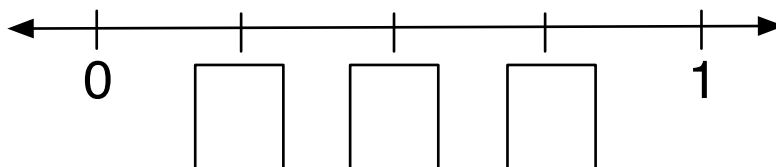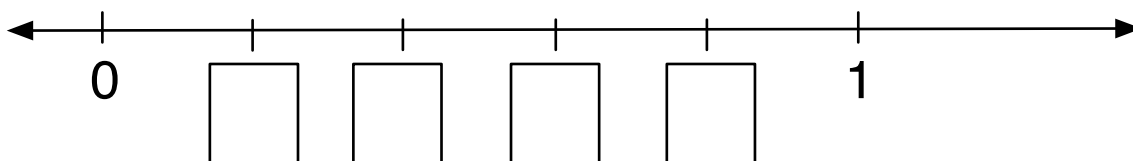
B)

0   1
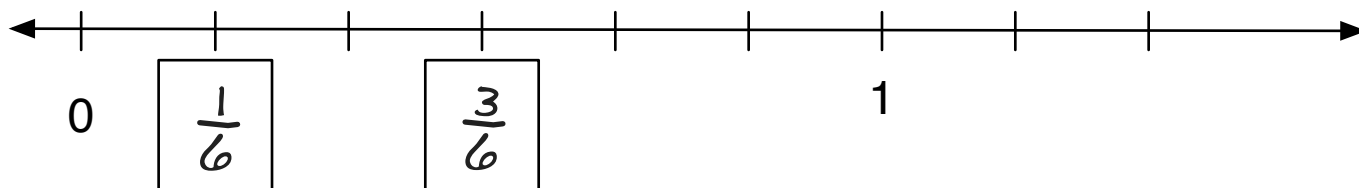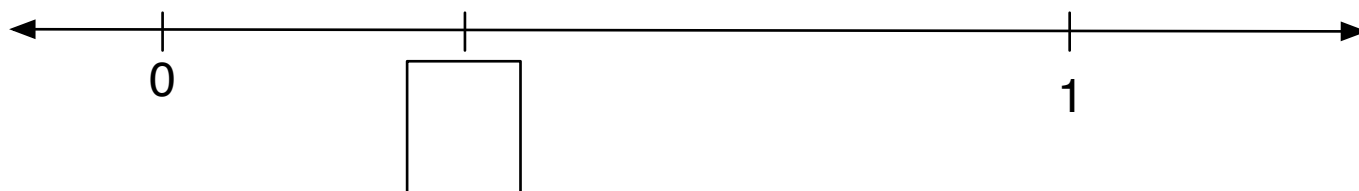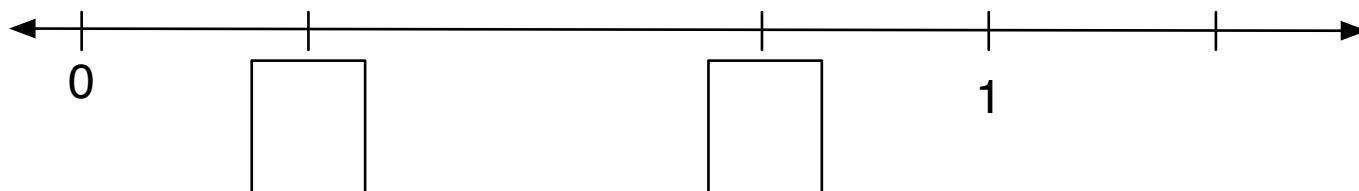
2. A customer at a store would like to buy $\frac{2}{3}$ of a foot of wire, and he measures the wire with a tape measure. Mark the length of $\frac{2}{3}$ of a foot on the number line. You can add extra marks to help you.

0   1   2   3   *Feet*

Explain your work below. If you made any marks on the line, explain what they mean and how they helped you.

_____

_____

_____

_____

Name _____

Homework

1. Look at the number line and decide if $\frac{1}{8}$ is placed correctly. Mark your answer in the box and explain your answer below.

yes ☐ no ☐

$$\longleftarrow \quad | \qquad\qquad\qquad\qquad | \qquad\qquad | \qquad\longrightarrow$$

0 $\qquad\qquad\qquad\qquad\qquad\qquad \frac{1}{8} \qquad$ 1

_____

_____

_____

_____

_____

2. Look at the number line and decide if $\frac{2}{7}$ is placed correctly. Mark your answer in the box and explain your answer below.

yes ☐ no ☐

$$\longleftarrow \quad | \qquad\qquad\qquad\qquad\qquad\qquad | \qquad | \longrightarrow$$

0 $\qquad\qquad\qquad\qquad\qquad\qquad\qquad\qquad \frac{2}{7} \qquad$ 1

_____

_____

_____

_____

_____

Name _____

Homework

3. Look at the number line and decide if $\dfrac{1}{6}$ is placed correctly. Mark your answer in the box and explain your answer below.

yes ☐   *no* ☐

$$0 \qquad \dfrac{1}{6} \qquad\qquad\qquad\qquad 1$$

_____

_____

_____

_____

_____

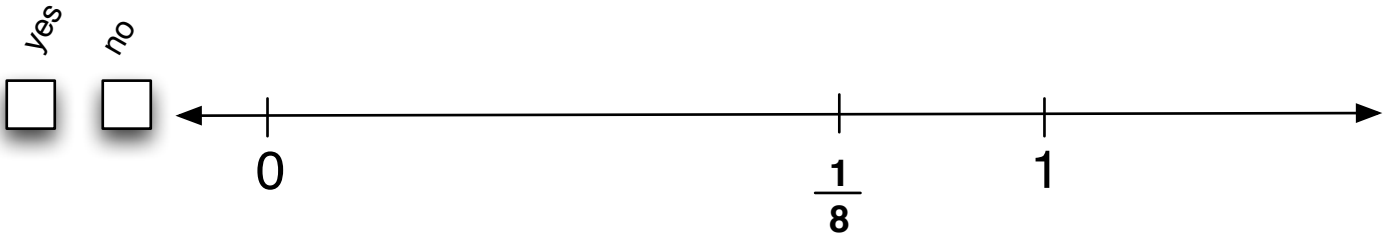**4.** Look at the number line and decide if $\dfrac{3}{8}$ is placed correctly. Mark your answer in the box and explain your answer below.
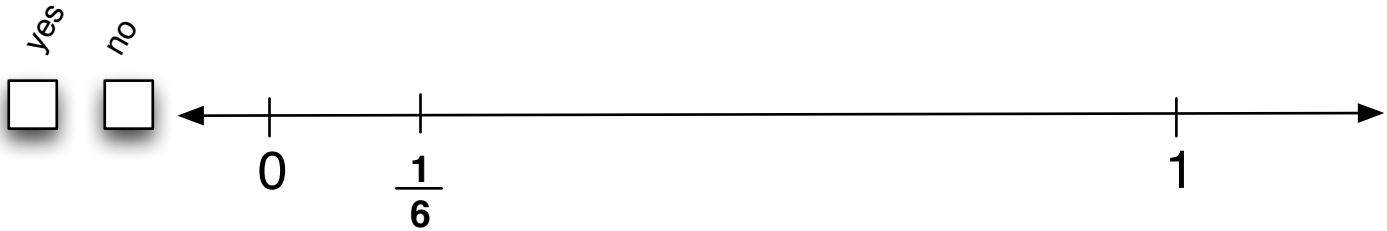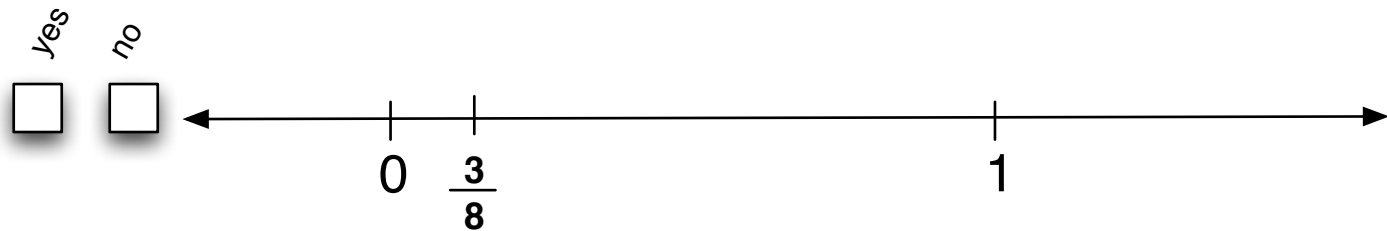
yes ☐   *no* ☐

$$0 \quad \dfrac{3}{8} \qquad\qquad\qquad\qquad 1$$

_____

_____

_____

_____

_____

Name _____

Homework

Figure out what fraction of a mile each person ran.

Example:

Start

0        $\frac{1}{5}$ $\frac{2}{5}$ $\frac{3}{5}$ $\frac{4}{5}$ 1   2

Miles
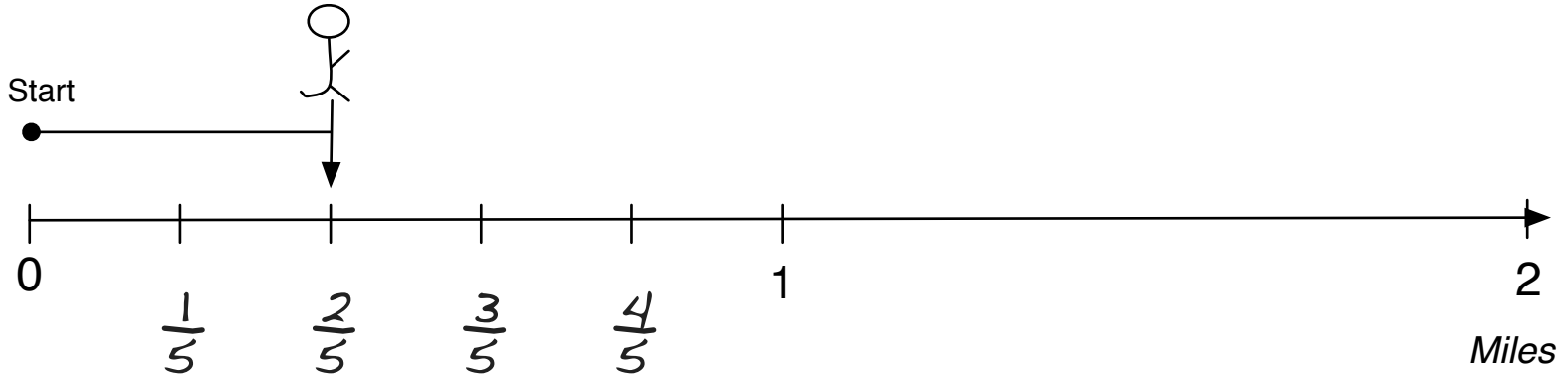
How many subunits fit into the unit? __5__

What fraction of a mile did Kristen run?   __$\frac{2}{5}$__

- -

1.

Start

0   1

Miles
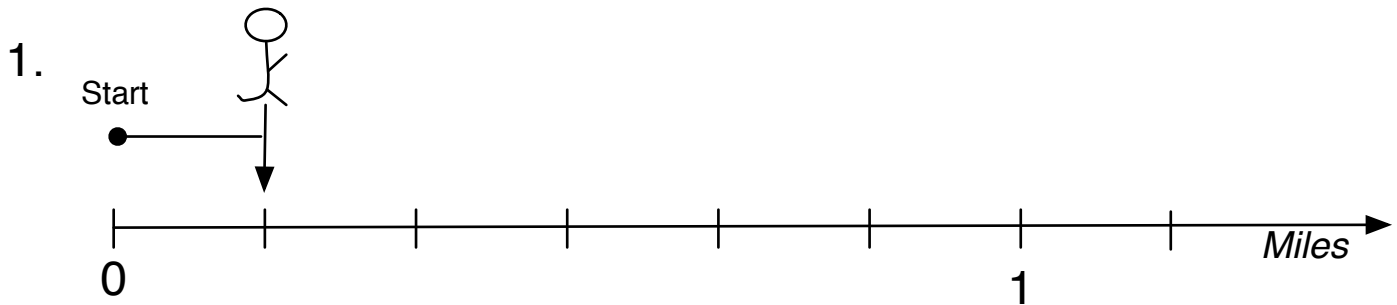
How many subunits fit into the unit? ____

What fraction of a mile did Adria run?   ____

2.

Start

0   1

Miles
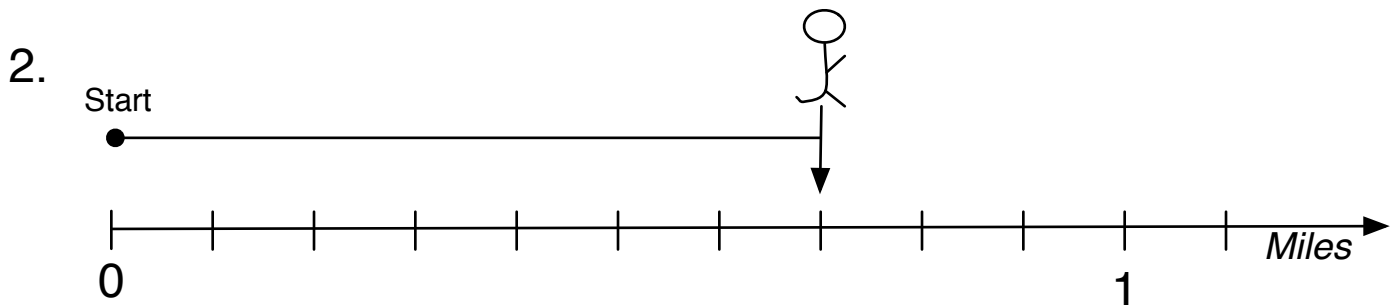
How many subunits fit into the unit? ____

What fraction of a mile did Josué run?   ____

Name _____

Homework

3.

Start

0   1   *Miles*
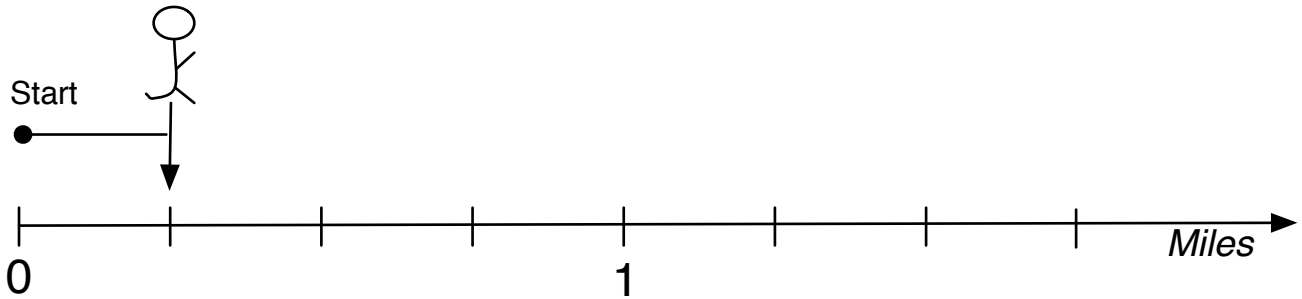
How many subunits fit into the unit? _____

What fraction of a mile did Kiki run?   _____

4.

Start

0   1

How many subunits fit into the unit? _____
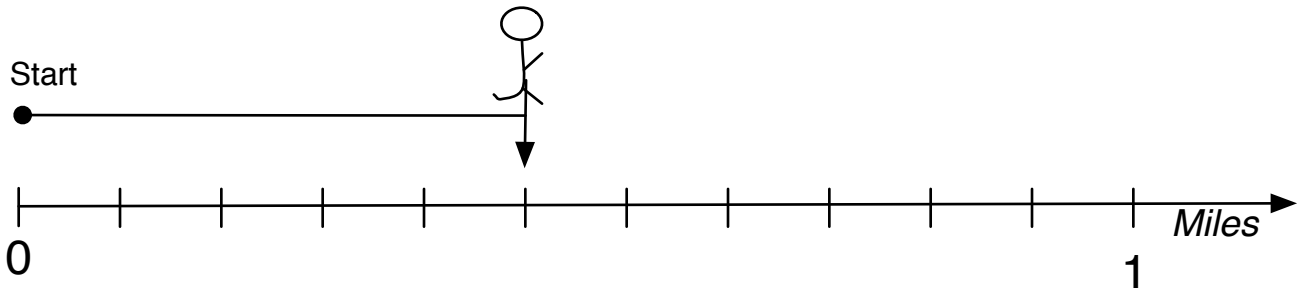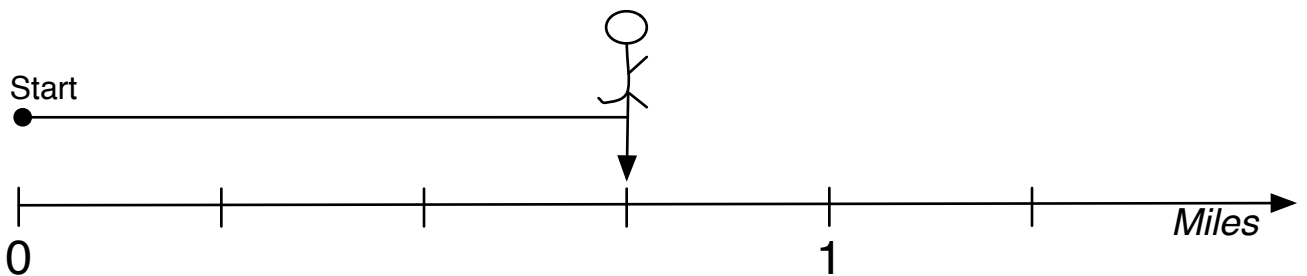
What fraction of a mile did Eddie run?   _____

5.

Start

0   1   *Miles*

How many subunits fit into the unit? _____

What fraction of a mile did Ben run?   _____

Name _____

Homework

Mark the numbers on the line. You can mark other numbers to help you.

Example: Mark $1\frac{2}{3}$ on the number line.

0   1 $1\frac{1}{3}$ $1\frac{2}{3}$ 2
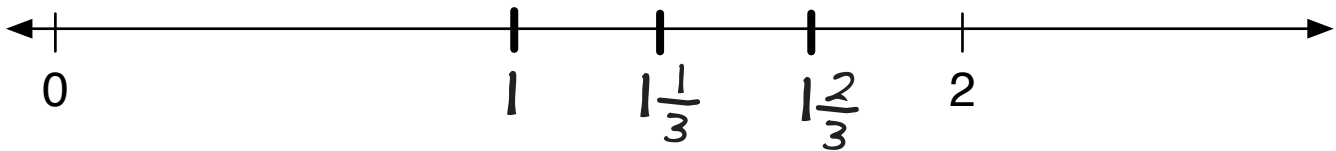
Explain how you solved it.

I divided the distance from 0 to 2 into two unit intervals so I could mark the 1. I knew that 1 1/3 is greater than 1, so I divided the distance from 1 to 2 into 3 subunits or thirds. I labeled the tick marks 1 1/3 and 1 2/3.

- -

1. Mark $4\frac{3}{4}$ and $5\frac{1}{4}$ on the number line.

4   5   6
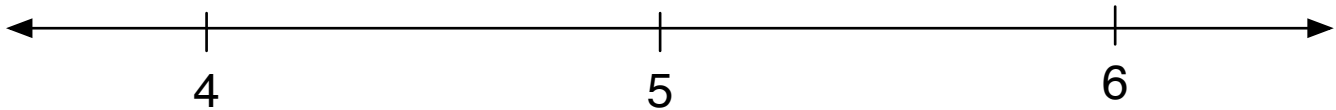
Explain how you solved it.

_____

_____

_____

2. Mark $3\frac{2}{3}$ and $4\frac{1}{3}$ on the number line.

2   3   4
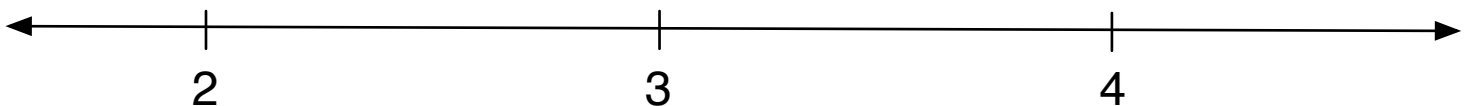
Explain how you solved it.

_____

_____

_____

Name _____

Homework

For each problem, mark the numbers on the line. You can mark other tick marks and numbers to help you.

3. Mark $8\frac{2}{4}$ and $9\frac{1}{4}$ on the number line.

Explain how you solved it.

_____

_____

_____

4. Mark $\frac{1}{2}$ and $1\frac{1}{2}$ and $2\frac{1}{2}$ on the number line.

Explain how you solved it.

_____

_____

_____

5. Mark $3\frac{2}{3}$ and $4\frac{2}{3}$ on the number line.
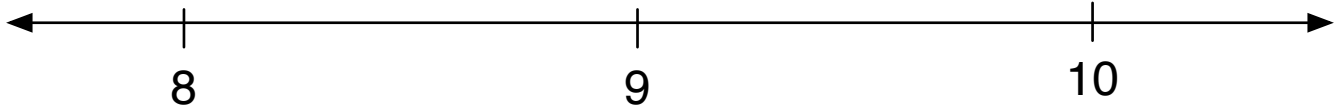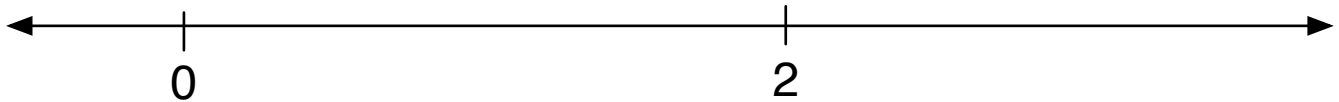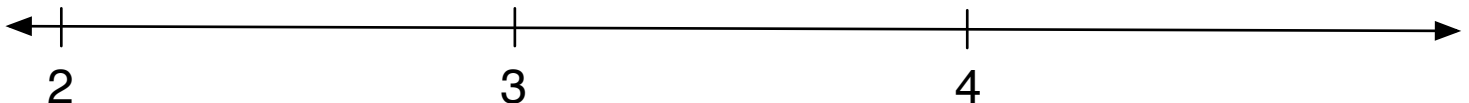

Explain how you solved it.

_____

_____

_____

Name _____

Homework

On this page, write a mixed number and an improper fraction for the number the arrow is pointing to.

Example:

$$0 \qquad \frac{1}{3} \qquad \frac{2}{3} \qquad 1 \qquad \frac{4}{3} \qquad \frac{5}{3} \qquad 2 \qquad \frac{8}{3} \qquad 3$$

$$\frac{3}{3} \qquad \frac{6}{3} \qquad \frac{7}{3}$$

Mixed number $2\frac{1}{3}$ Fraction greater than 1 $\frac{7}{3}$

1.

$$0 \qquad\qquad 1 \qquad\qquad 2 \qquad\qquad 3 \qquad\qquad 4$$
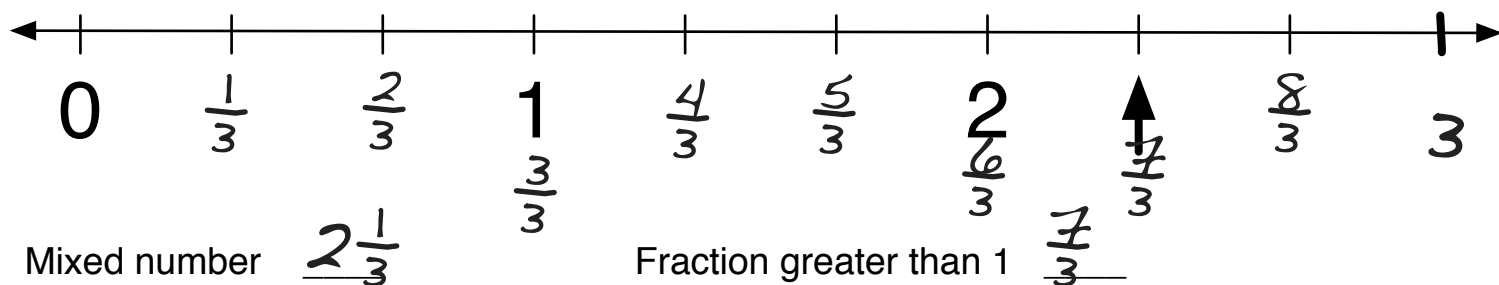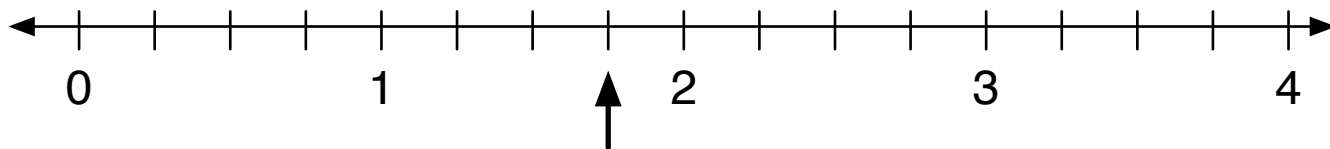
Mixed number ____   Fraction greater than 1 ____

2.

$$0 \qquad\qquad\qquad\qquad 1 \qquad\qquad\qquad\qquad 2$$
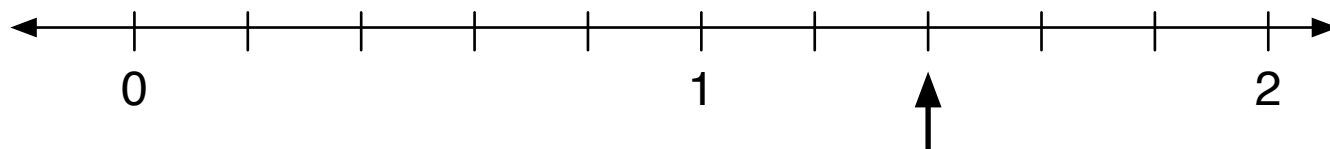
Mixed number ____   Fraction greater than 1 ____

3.

$$0 \qquad\qquad\qquad 1 \qquad\qquad\qquad 2$$

Mixed number ____   Fraction greater than 1 ____

Name _____

Homework

On this page, write the numbers where they belong on the number line.

- -

4. Write the following numbers where they belong on the number line below.

$$\frac{5}{4} \qquad 0 \qquad \frac{6}{4} \qquad \frac{10}{4} \qquad 1\frac{3}{4} \qquad 2\frac{1}{4}$$
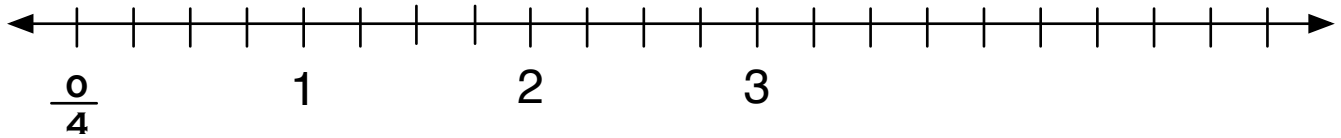
5. Write the following numbers where they belong on the number line below.

$$\frac{2}{5} \qquad \frac{17}{5} \qquad \frac{6}{5} \qquad 2\frac{3}{5} \qquad 1\frac{1}{5} \qquad \frac{0}{5}$$

Homework Name _____

Write another fraction name for each fraction. You can add tickmarks and numbers to help.

Example: $\frac{2}{3}$ is one name for this fraction, show other names for $\frac{2}{3}$.
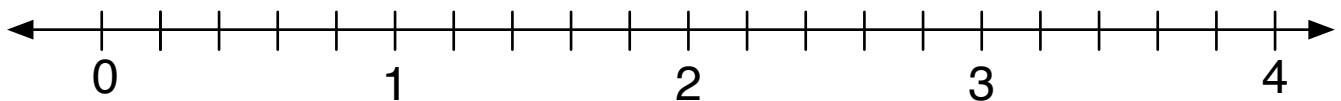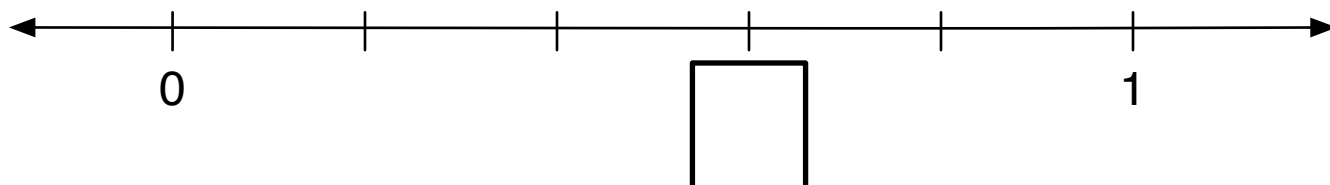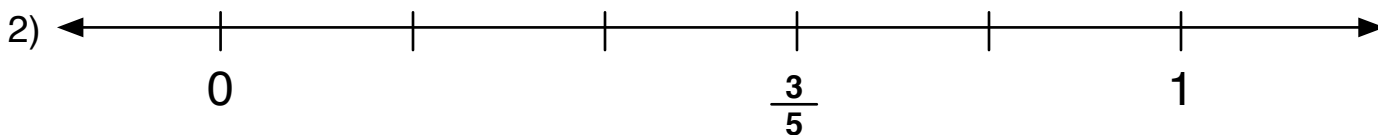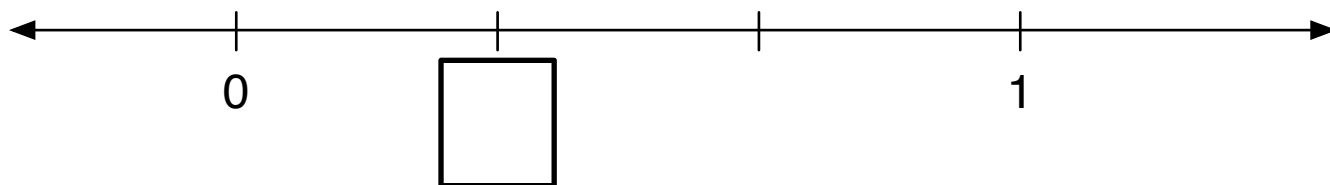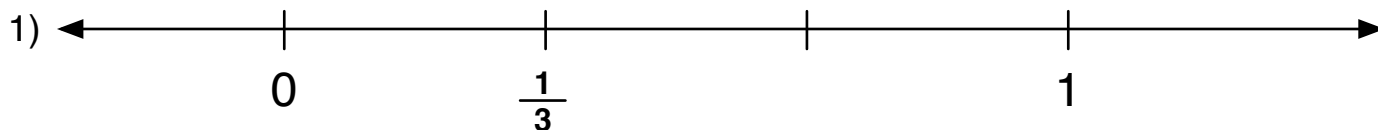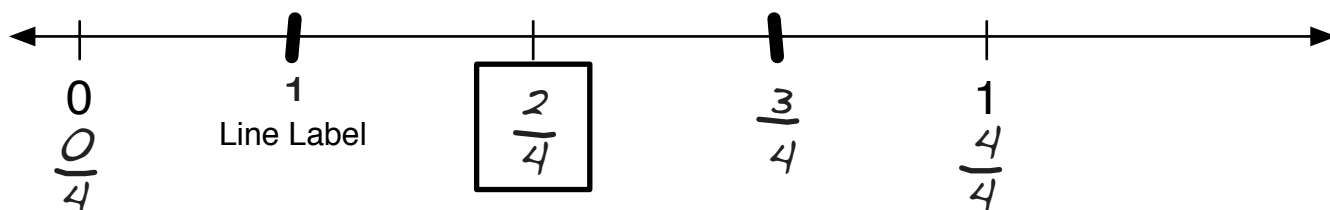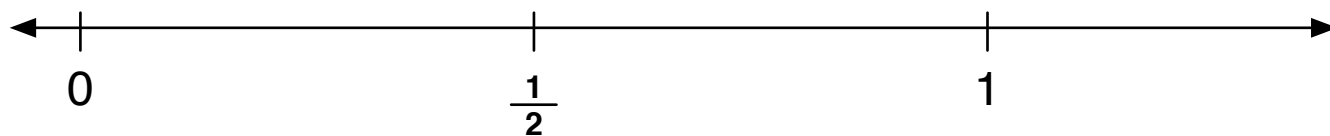
0          $\frac{1}{2}$ 1

0   1   2   3   1

$\frac{0}{4}$ Line Label $\boxed{\frac{2}{4}}$ $\frac{3}{4}$ $\frac{4}{4}$

- -

1)

0      $\frac{1}{3}$ 1

0     $\boxed{}$ 1

2)

0            $\frac{3}{5}$ 1

0          $\boxed{}$ 1

Homework Name _____

Write another fraction name for each fraction. You can add tickmarks and numbers to help.

3)

0          $\frac{2}{6}$ 1

0   [ ]   1

4)

0                         $\frac{3}{4}$ 1

0   [ ]   1

5)

0   $\frac{1}{10}$ 1

0 [ ]   1
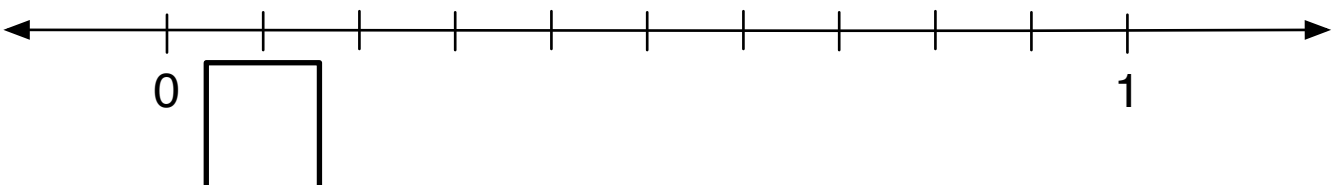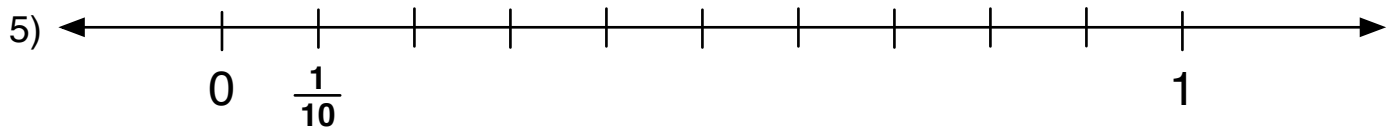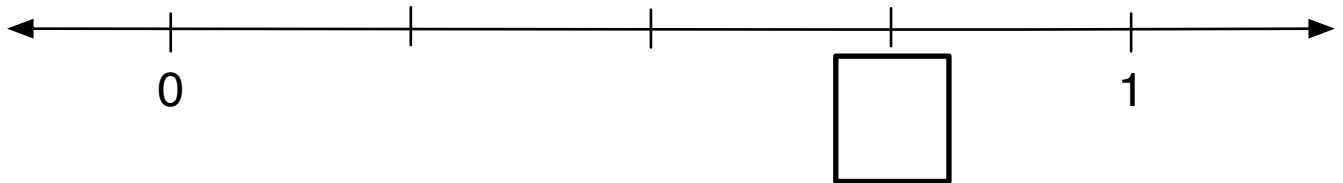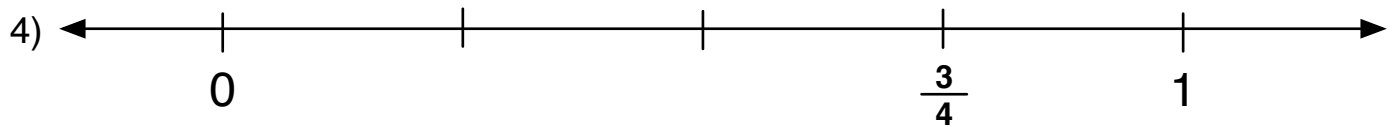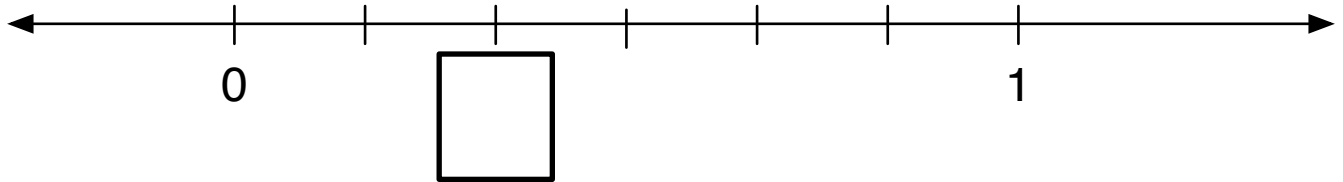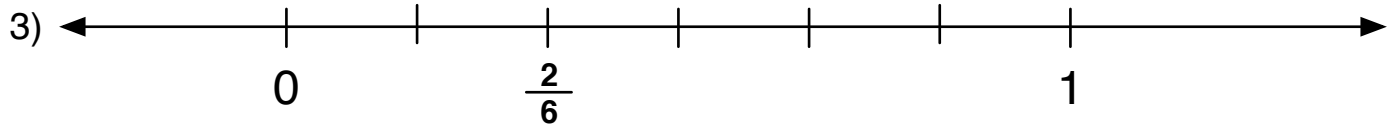
Homework

Name _____

Circle the answer that shows another name for each fraction.
You can add tickmarks and numbers to help you.

Example: $\frac{1}{2}$ is marked on the line. Figure out another name for $\frac{1}{2}$.

0        $\frac{1}{6}$ $\frac{2}{6}$ $\frac{1}{2}$ $\frac{4}{6}$ $\frac{5}{6}$ 1

$\frac{0}{6}$ $\frac{3}{6}$ $\frac{6}{6}$

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

- -

1. Circle the answer that shows another name for $\frac{2}{3}$.
You can add tickmarks and numbers to help you.

0                                $\frac{2}{3}$ 1

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

2. Circle the answer that shows another name for $\frac{2}{3}$.
You can add tickmarks and numbers to help you.

0                                $\frac{2}{3}$ 1

$\frac{2}{9}$ $\frac{6}{3}$ $\frac{6}{9}$
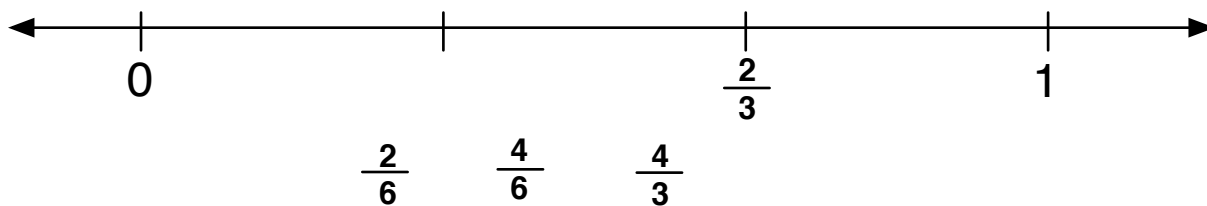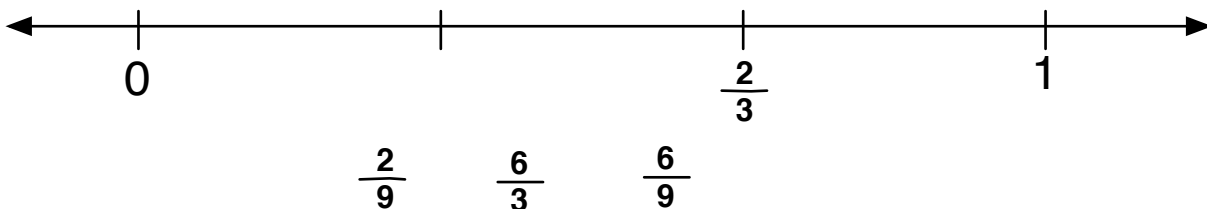
3. Circle the answer that shows another name for $\frac{2}{3}$.
You can add tickmarks and numbers to help you.

0                                $\frac{2}{3}$ 1

$\frac{8}{12}$ $\frac{6}{12}$ $\frac{2}{12}$
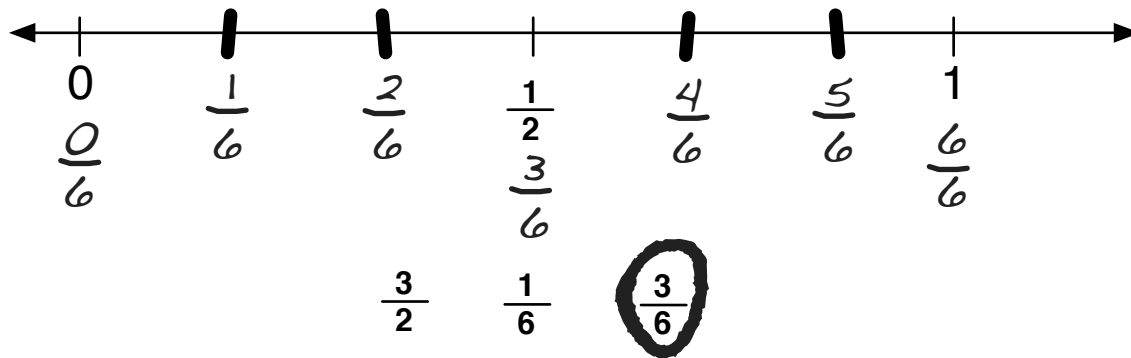
Homework

Name _____

4. Circle the answer that shows another name for $\frac{3}{4}$.
You can add tickmarks and numbers to help you.

0 $\frac{3}{4}$ 1

$\frac{6}{4}$ $\frac{6}{8}$ $\frac{3}{8}$

5. Circle the answer that shows another name for $\frac{3}{4}$.
You can add tickmarks and numbers to help you.

0 $\frac{3}{4}$ 1

$\frac{9}{4}$ $\frac{8}{12}$ $\frac{9}{12}$
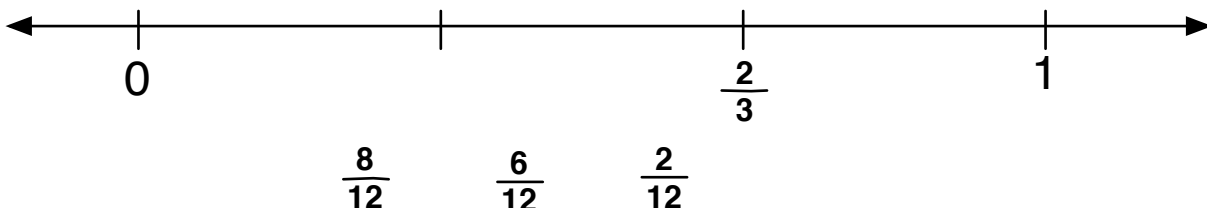
6. Circle the answer that shows another name for $\frac{1}{5}$.
You can add tickmarks and numbers to help you.

0          $\frac{1}{5}$ 1

$\frac{1}{15}$ $\frac{3}{15}$ $\frac{3}{5}$
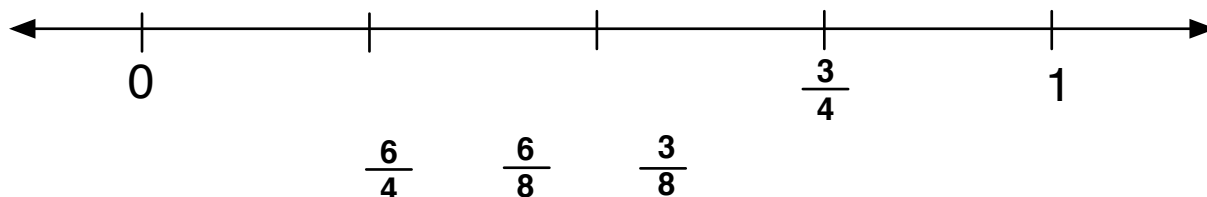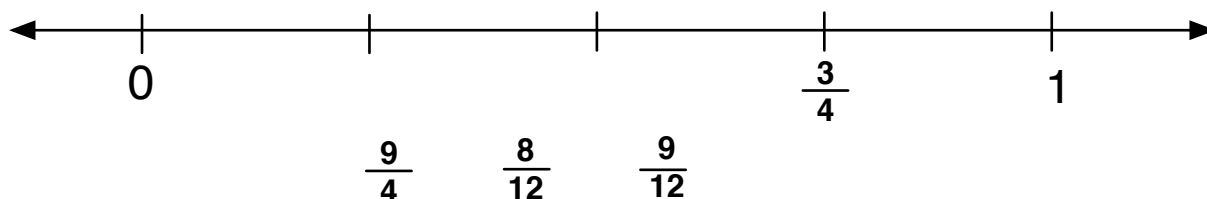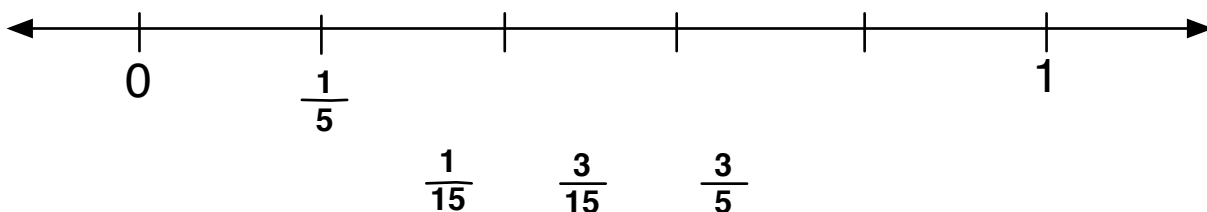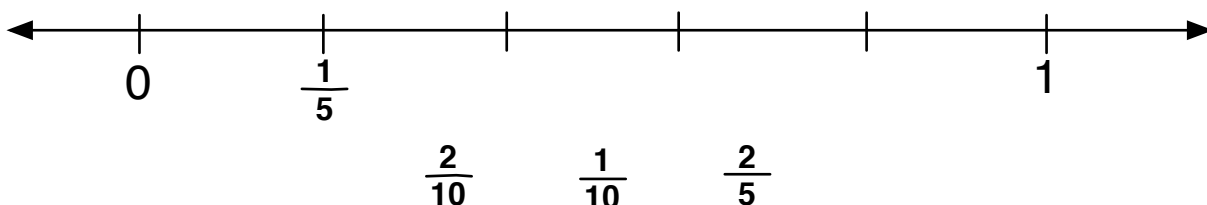
7. Circle the answer that shows another name for $\frac{1}{5}$.
You can add tickmarks and numbers to help you.

0          $\frac{1}{5}$ 1

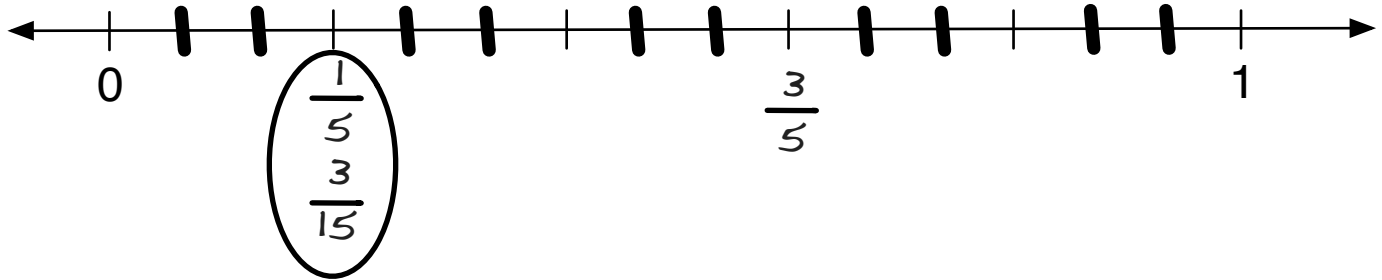$\frac{2}{10}$ $\frac{1}{10}$ $\frac{2}{5}$

Homework   Name _____

On each problem, you are given three fractions. Which fractions are equivalent?

Hint: Sometimes <u>none</u> of the fractions are equivalent!
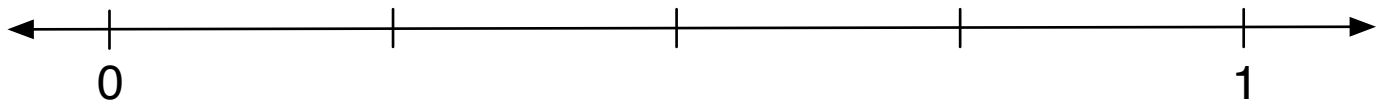
Example: Place the fractions, and circle if they are equivalent: $\frac{1}{5}$ $\frac{3}{5}$ $\frac{3}{15}$

   You can add tickmarks and numbers to help you.

0    $\frac{1}{5}$ $\frac{3}{15}$ $\frac{3}{5}$ 1

---

1. Place the fractions, and circle if they are equivalent: $\frac{2}{8}$ $\frac{1}{4}$ $\frac{1}{8}$

   You can add tickmarks and numbers to help you.

0   1

---

2. Place the fractions, and circle if they are equivalent: $\frac{1}{6}$ $\frac{1}{2}$ $\frac{2}{6}$

   You can add tickmarks and numbers to help you.

0   1

---

3. Place the fractions, and circle if they are equivalent: $\frac{2}{6}$ $\frac{3}{6}$ $\frac{1}{3}$

   You can add tickmarks and numbers to help you.

0   1

Homework   Name _____

4. Place the fractions, and circle if they are equivalent: $\frac{2}{3}$ $\frac{4}{6}$ $\frac{3}{6}$

You can add tickmarks and numbers to help you.

0   1

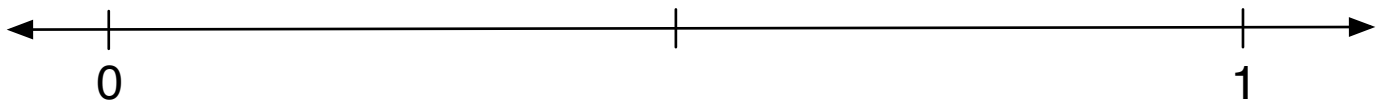**5.** Place the fractions, and circle if they are equivalent: $\frac{6}{8}$ $\frac{2}{4}$ $\frac{1}{4}$

You can add tickmarks and numbers to help you.
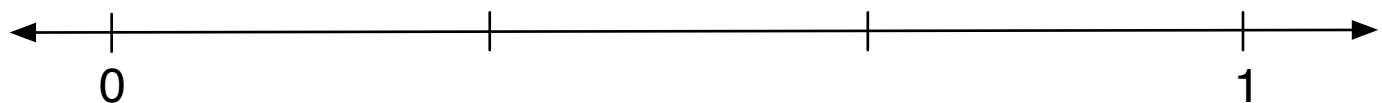
0   1

6. Place the fractions, and circle if they are equivalent: $\frac{3}{9}$ $\frac{1}{3}$ $\frac{6}{9}$

You can add tickmarks and numbers to help you.

0   1

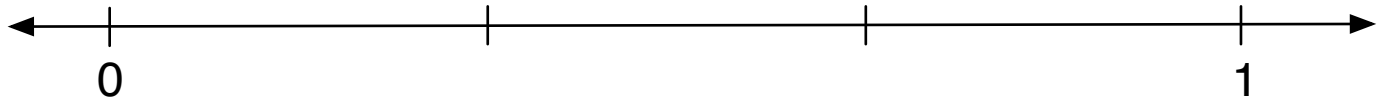**7.** Place the fractions, and circle if they are equivalent: $\frac{2}{10}$ $\frac{2}{5}$ $\frac{1}{5}$

You can add tickmarks and numbers to help you.
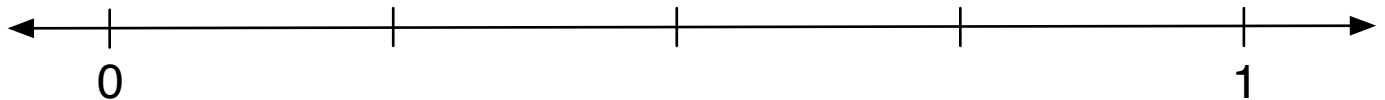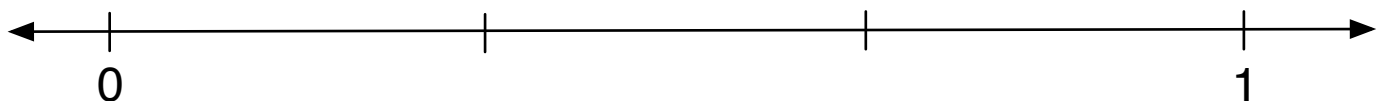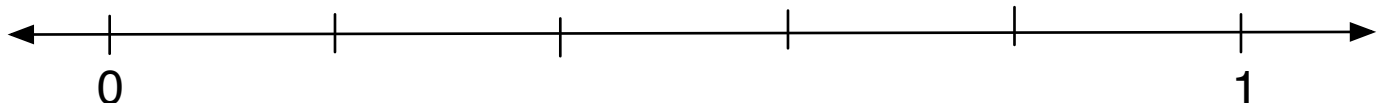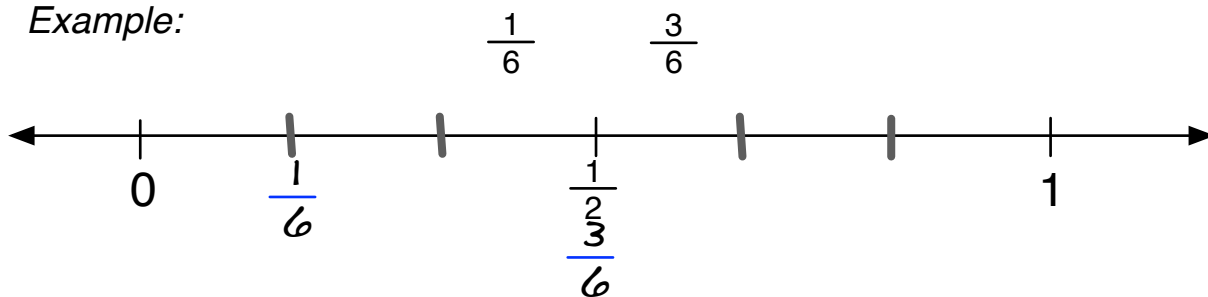
0   1

Homework
Name _____

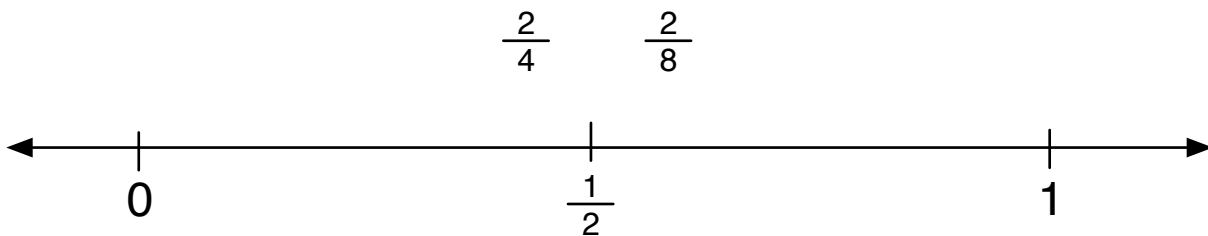Place the fractions on the line. You can add tick marks and numbers to help.

Example:

$$\frac{1}{6} \qquad \frac{3}{6}$$

$$0 \qquad \frac{1}{6} \qquad \qquad \frac{1}{2} \qquad \qquad \qquad 1$$
$$\frac{2}{3}$$
$$\frac{}{6}$$

True or false?   ☒ true ☐ false $\frac{1}{6} < \frac{1}{2}$

- -

1. a. Place the fractions on the line. You can add tick marks and numbers to help.

$$\frac{2}{4} \qquad \frac{2}{8}$$

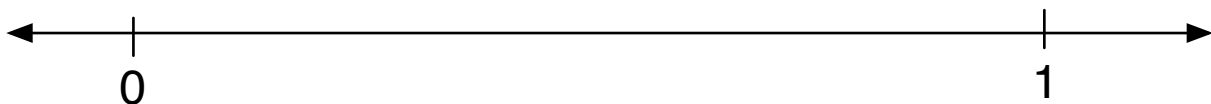$$0 \qquad \qquad \qquad \frac{1}{2} \qquad \qquad \qquad 1$$

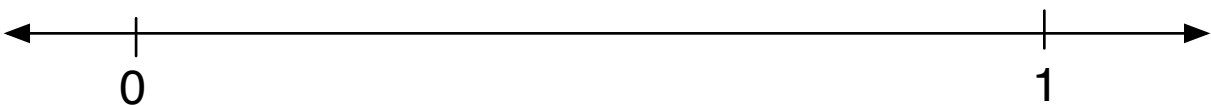**b.** True or false?   ☐ true ☐ false $\frac{2}{4} < \frac{2}{8}$

_____

2. a. Mark $\frac{1}{2}$ on the line below. You can add other tick marks and numbers.

$$0 \qquad \qquad \qquad \qquad \qquad 1$$

b. Mark $\frac{1}{3}$ on the line below. You can add other tick marks and numbers.

$$0 \qquad \qquad \qquad \qquad \qquad 1$$

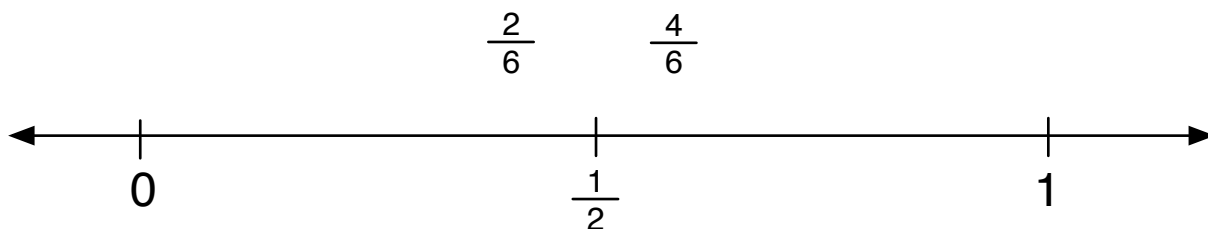**c.** True or false?   ☐ true ☐ false $\frac{1}{3} > \frac{1}{2}$

Homework   Name _____

3. **a.** Place the fractions on the line. You can add tick marks and numbers to help.
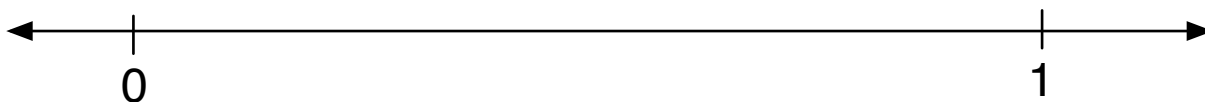
$$\frac{2}{6} \qquad \frac{4}{6}$$

← |————————————————|————————————————|————→
  0                              $\frac{1}{2}$ 1

b. True or false?   true false $\frac{2}{6} < \frac{1}{2}$
                         □   □

---

4. **a.** Place the fractions on the line. You can add tick marks and numbers to help.

$$\frac{1}{4} \qquad \frac{3}{8}$$

← |————————————————|————————————————|————→
  0                              $\frac{1}{2}$ 1
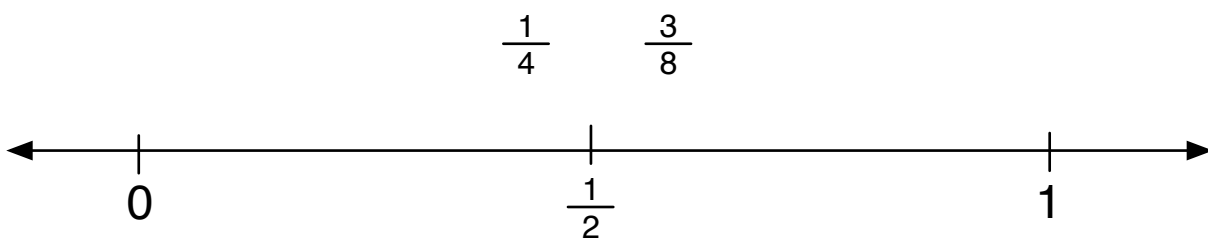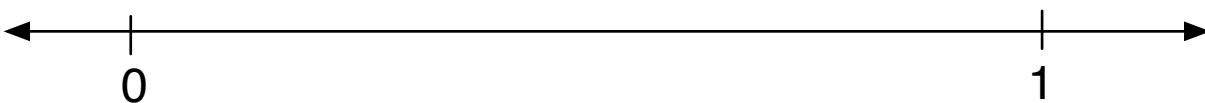
b. True or false?   true false $\frac{1}{2} > \frac{3}{8}$
                         □   □

---

5. **a.** Mark $\frac{3}{4}$ on the line below. You can add other tick marks and numbers.

← |————————————————————————————————|————→
  0   1

b. Mark $\frac{2}{3}$ on the line below. You can add other tick marks and numbers.

← |————————————————————————————————|————→
  0   1

c. True or false?   true false $\frac{2}{3} > \frac{3}{4}$
                         □   □