
Fractions

Homework-2

Name: _____

Concepts covered in class: Number line, definition of a number as a point on the number line, the unit fractions $\frac{1}{2}$, $\frac{1}{3}$ and so on, multiples of a unit fraction viewed geometrically on the number line as an infinite sequence of equally spaced points, recognize that unit fractions are the building blocks for any fraction, interpret a fraction such as $\frac{7}{4}$ as 7 copies of the unit fraction $\frac{1}{4}$

1. Complete the definition by filling in the blank.

A number is a _____

2. A fraction whose numerator is the whole number 1 is called a _____ fraction

3. In each case, decide if the given fraction is a unit fraction. **Circle the unit fractions.**

$$\frac{7}{1}$$

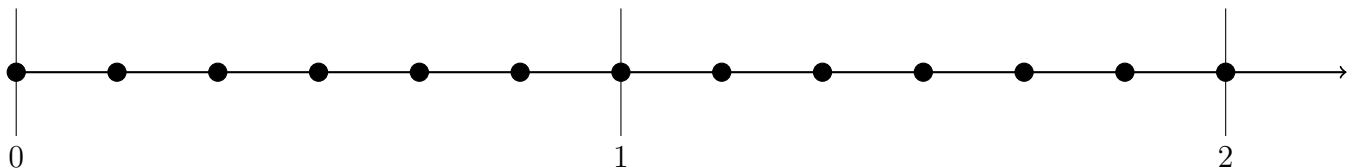
$$\frac{1}{78}$$

$$\frac{1}{56}$$

$$\frac{57}{1}$$

$$\frac{13}{79}$$

4. Below is a picture of the number line. Each thickened point, as we discussed in class, is a number which we call a **fraction**. On the number line, label each of the thickened points by a fraction.



a) In the above number line, the unit segment is cut up into _____ equal pieces by length.

b) The first thickened point to the right of zero is the **unit fraction** _____

c) Each of the thickened points is a fraction whose denominator is _____

5. In the fraction $\frac{19}{29}$, the top number 19 is called the _____,

and the bottom number 29 is called the _____

6. The fraction $\frac{6}{5}$ is _____ copies of the unit fraction $\frac{1}{5}$.

This may be written as an equation. Fill in the right side of the equation below.

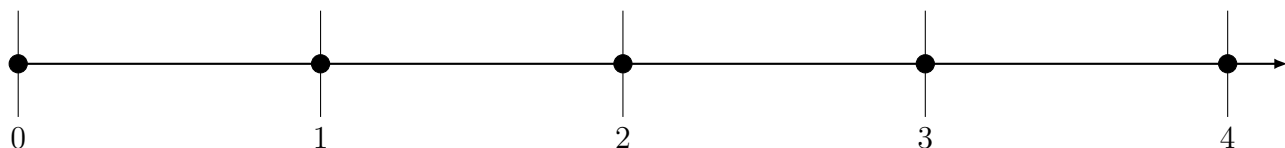
$$\frac{6}{5} =$$

8. The fraction $\frac{4}{7}$ is _____ copies of the unit fraction _____

This may be written as an equation. Fill in the right side of the equation below.

$$\frac{4}{7} =$$

9. Below is a picture of the number line. Each whole number, as we discussed in class, can also be written as a fraction. Label each thickened point by a fraction whose denominator is 1.



10. Each fraction below is also a whole number. Fill in each blank with the correct whole number.

$$\frac{1}{1} =$$

$$\frac{17}{1} =$$

$$\frac{2016}{1} =$$

11. Fill in the blanks.

(A) _____ copies of $\frac{1}{7}$ make up 1.

(B) _____ copies of $\frac{1}{19}$ make up 1.
