

## Rewrite and Represent Mixed Numbers and Improper Fractions

In this worksheet, we will practice rewriting and representing mixed numbers and improper fractions. First, we will practice rewriting mixed numbers as improper fractions, and vice versa.

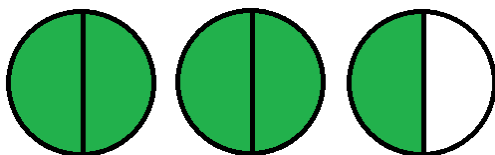
To turn a mixed number into an improper fraction, you multiply the whole number by the denominator, then add the numerator. This number becomes the new numerator over the old denominator.

$1 \frac{3}{4}$  becomes  $\frac{7}{4}$

To turn an improper fraction into a mixed number, you divide the numerator by the denominator and set the number of complete "sets to the side" and leave the remainder as the new numerator.

$\frac{13}{4}$  becomes  $3 \frac{1}{4}$

You will also be asked to represent mixed numbers and improper fractions. For example, represent  $\frac{5}{2}$  using the circles below.



### Exercise Questions:

Change the mixed numbers into improper fractions.

1.  $2 \frac{3}{5} =$  \_\_\_\_\_

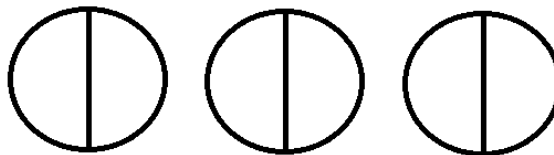
2.  $4 \frac{1}{5} =$  \_\_\_\_\_

Change the improper fractions into mixed numbers.

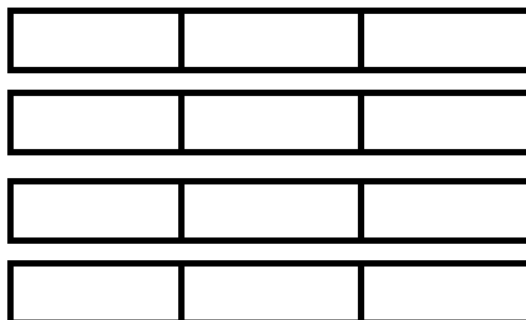
3.  $\frac{13}{4} =$  \_\_\_\_\_

4.  $\frac{19}{6} =$  \_\_\_\_\_

5. Represent  $\frac{6}{2}$  using the circles below.



6. Represent  $\frac{11}{3}$  using the rectangles below.



Name \_\_\_\_\_

Date \_\_\_\_\_

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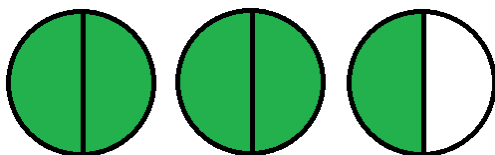
To turn a mixed number into an improper fraction, you multiply the whole number by the denominator, then add the numerator. This number becomes the new numerator over the old denominator.

$1 \frac{3}{4}$  becomes  $\frac{7}{4}$

To turn an improper fraction into a mixed number, you divide the numerator by the denominator and set the number of complete "sets to the side" and leave the remainder as the new numerator.

$\frac{13}{4}$  becomes  $3 \frac{1}{4}$

You will also be asked to represent mixed numbers and improper fractions. For example, represent  $\frac{5}{2}$  using the circles below.



### Answer Key:

Change the mixed numbers into improper fractions.

1.  $2 \frac{3}{5} = \underline{\frac{13}{5}}$

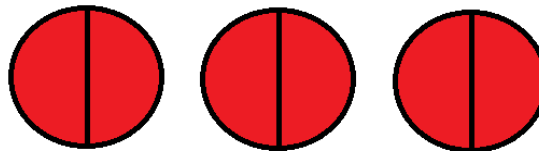
2.  $4 \frac{1}{5} = \underline{\frac{21}{5}}$

Change the improper fractions into mixed numbers.

3.  $\frac{13}{4} = \underline{3 \frac{1}{4}}$

4.  $\frac{19}{6} = \underline{3 \frac{1}{6}}$

5. Represent  $\frac{6}{2}$  using the circles below.



6. Represent  $\frac{11}{3}$  using the rectangles below.

