Homework for Monday Night 9-24-2018

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Mixed Fractions

A mixed fraction, or mixed number, is a whole number and a proper fraction combined.
These fractions can also be written as improper fractions.
To convert a mixed fraction to a improper fraction, follow the steps below.

1. Multiply the whole number part by the fraction's denominator.
2. Add that to the numerator.
3. Then write the result on top of the denominator.

Example: Convert $3\frac{2}{5}$ to an improper fraction.

Multiply the whole number by the denominator: **3 x 5 = 15**

Add the numerator to that: **15 + 2 = 17**

Then write that down above the denominator, like this: $\frac{17}{5}$

Convert the following mixed numbers to improper fractions.
Write your answer on the line next to each problem.

1) $5\frac{1}{3}$ = _____

2) $2\frac{1}{8}$ = _____

3) $3\frac{1}{4}$ = _____

4) $3\frac{2}{9}$ = _____

5) $9\frac{3}{8}$ = _____

6) $2\frac{1}{2}$ = _____

7) $3\frac{1}{4}$ = _____

8) $6\frac{1}{10}$ = _____

9) $5\frac{7}{10}$ = _____

10) $9\frac{1}{2}$ = _____

11) $9\frac{1}{5}$ = _____

12) $6\frac{1}{2}$ = _____

13) $5\frac{4}{9}$ = _____

14) $9\frac{2}{3}$ = _____

15) $2\frac{3}{8}$ = _____

Improper Fractions

An improper fraction is a fraction where the numerator (the top number), is greater than or equal to the denominator (the bottom number). These fractions can also be written as mixed fractions. To convert an improper fraction to a mixed fraction, follow the steps below.

1. Divide the numerator by the denominator.
2. Write down the whole number answer.
3. Then write down any remainder above the denominator.

Example: Convert $\frac{11}{4}$ to a mixed fraction.

Divide: 11 ÷ 4 = 2 with a remainder of 3

Write down the 2 and then write down the remainder (3) above the denominator (4):

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

Convert the following improper fractions to mixed numbers.
Write your answer on the line next to each problem.

1) $\frac{9}{4}$ = _____

2) $\frac{82}{9}$ = _____

3) $\frac{31}{5}$ = _____

4) $\frac{13}{3}$ = _____

5) $\frac{29}{7}$ = _____

6) $\frac{11}{5}$ = _____

7) $\frac{61}{6}$ = _____

8) $\frac{7}{3}$ = _____

9) $\frac{50}{7}$ = _____

10) $\frac{17}{4}$ = _____

11) $\frac{71}{10}$ = _____

12) $\frac{29}{7}$ = _____

13) $\frac{55}{6}$ = _____

14) $\frac{21}{10}$ = _____

15) $\frac{25}{4}$ = _____