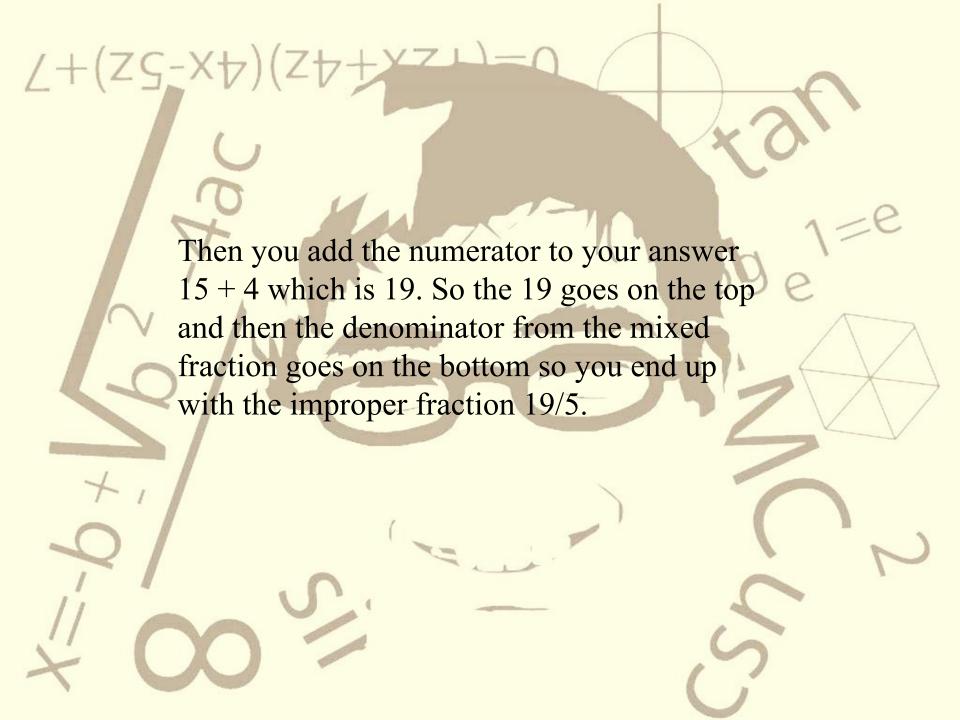


Lets say you have a mixed number of 1 and 5/8

You can change this into the number 13/8.

For converting mixed numbers to improper fractions, the first thing you do is multiply. For example, the mixed number 3 and 4/5 you multiply the whole number by the denominator.

$$3x5 = 15$$

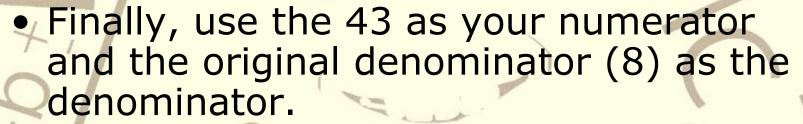


Convert 5 and 3/8 to an improper fraction

 First, multiply the whole number and the denominator

$$5 \times 8 = 40$$

• Then, add the numerator 40 + 3 = 43



5 and 3/8 = 43/8

Convert 7 and 3/5 to an improper fraction

• First, multiply the whole number and the denominator.

$$7 \times 5 = 35$$

Then, add the numerator

$$35 + 3 = 38$$

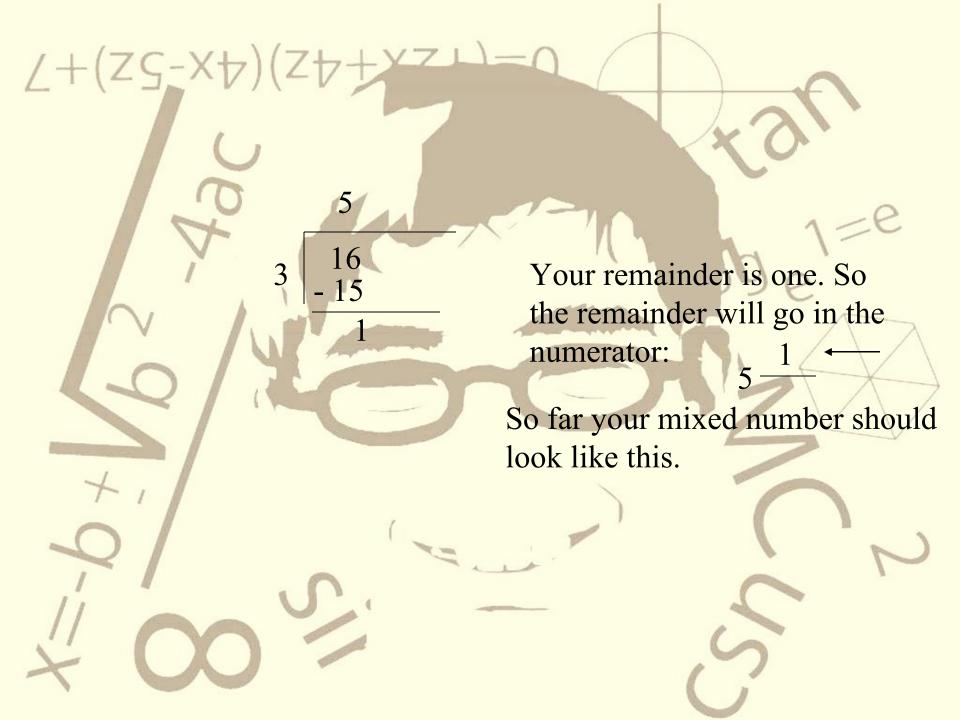
 Finally, 38 is your numerator and the original denominator (5) will be the denominator in your answer.

$$7 \text{ and } 3/5 = 38/5$$

1+(ZS-Xt)(Zt+ Your turn! Turn the following mixed numbers into improper fractions: 2. 4 and 3/7 3. 9 and 1/2 4. 5 and 8/9 5. 1 and 8/11

Changing Improper Fractions to Mixed Numbers

• The first step to changing improper fractions to mixed numbers is to **divide**. For example, the fraction 16/3 can be changed to a mixed number. The first step is to divide. You divide the 3 into 16 and you get 5 with a remainder of 1.



The denominator from the improper fraction goes on the denominator of the mixed number: $\underbrace{\frac{16}{3}}$

The number 5 is the whole number of the fraction, and the remainder of what you had is the numerator. Then the denominator stays the same. So your answer would look like this:

This is how you change improper fractions to mixed numbers. $5 \frac{1}{3}$

Convert 13/7 into a mixed number

- Divide 13 by 7
 - $13 \div 7 = 1$ with a remainder of 6
 - The 1 will be your whole number
 - The 7 is the denominator
 - The remainder is the numerator

$$13/7 = 1$$
 and $6/7$

Convert 18/5 to a mixed number

Divide 18 by 5

$$18 \div 5 = 3 R3$$

- The whole number is 3
- The denominator is 5
- The numerator is the remainder 3

$$18/5 = 3$$
 and $3/5$

Z+(ZS-X+)(Z++XZ1)=0 You do it!

Convert the improper fractions into mixed numbers

- 2. 19/3
- 3. 12/7
- 4. 17/8
- 5. 13/5