

Dividing fractions can be broken down into three steps.

Here's one and five sixths divided by three quarters.

First, convert any mixed numbers into top heavy or improper fractions.

One, is six sixths, plus five sixths, makes 11 over six divided by three quarters.

Next, to divide by a fraction, we multiply by its reciprocal.

Dividing by three quarters gives the same answer as multiplying by four thirds.

For dividing fractions, keep the first fraction as it is, change the divide sign to a multiply, and flip the second fraction upside down.

One way to remember this is Keep it, Change it, Flip it.

Then simplify, by finding common factors between the two numerators and two denominators.

Two goes into four twice.

And into six three times.

Next, multiply numerator by numerator, and denominator by denominator, which gives 22 over nine.

When dividing fractions, remember:

Change mixed numbers to improper fractions.

Multiply by the reciprocal and simplify your answer.