

Addition, Subtraction, Multiplication and Division of Fractions

Addition of Fractions

1. Add whole numbers if it is a mixed number.
2. Add numerators
3. Keep denominator the same
4. Simplify

Subtraction of Fractions

1. Subtract whole numbers or rename whole number if necessary
2. Subtract numerators
3. Keep denominator the same
4. Simplify

Multiplication of Fractions

1. Change all mixed numbers and whole numbers to improper fractions
2. Multiply numerators (Cross cancel if you can)
3. Multiply denominators (Cross cancel if you can)
4. Simplify – ***If answer is improper fraction, change back to a mixed number.***

Division of fractions

1. Change all mixed numbers and whole numbers to improper fractions
2. Rewrite the first fraction (**Keep**)
3. Change the division symbol to multiplication (**Switch**)
4. Take reciprocal of second fraction (**Flip**)
5. Simplify– ***If answer is improper fraction, change back to a mixed number.***