

Fractions: Unlike Denominators

Grade 5 • MATH • Adding and subtracting fractions with unlike denominators • Standards: 5.NF.A.1

Find a common denominator first, then add or subtract. Remember to simplify your final answer!

1. $\frac{1}{2} + \frac{1}{4} =$

2. $\frac{3}{4} - \frac{1}{2} =$

3. $\frac{1}{3} + \frac{1}{6} =$

4. $\frac{5}{6} - \frac{1}{3} =$

5. $\frac{2}{5} + \frac{1}{10} =$

6. $\frac{1}{2} + \frac{1}{3} =$

7. $\frac{7}{8} - \frac{1}{4} =$

8. $\frac{2}{3} + \frac{1}{4} =$

9. $\frac{5}{6} - \frac{2}{9} =$

10. $\frac{3}{5} + \frac{1}{6} =$

11. $\frac{7}{10} - \frac{2}{15} =$

12. $\frac{5}{8} + \frac{3}{10} =$

Answer Key — Fractions: Unlike Denominators

For the teacher / parent. Do not distribute with the worksheet.

1. $\frac{3}{4}$ (Common denominator is 4. $\frac{2}{4} + \frac{1}{4} = \frac{3}{4}$)
2. $\frac{1}{4}$ (Common denominator is 4. $\frac{3}{4} - \frac{2}{4} = \frac{1}{4}$)
3. $\frac{1}{2}$ (Common denominator is 6. $\frac{2}{6} + \frac{1}{6} = \frac{3}{6} = \frac{1}{2}$)
4. $\frac{1}{2}$ (Common denominator is 6. $\frac{5}{6} - \frac{2}{6} = \frac{3}{6} = \frac{1}{2}$)
5. $\frac{1}{2}$ (Common denominator is 10. $\frac{4}{10} + \frac{1}{10} = \frac{5}{10} = \frac{1}{2}$)
6. $\frac{5}{6}$ (Common denominator is 6. $\frac{3}{6} + \frac{2}{6} = \frac{5}{6}$)
7. $\frac{5}{8}$ (Common denominator is 8. $\frac{7}{8} - \frac{2}{8} = \frac{5}{8}$)
8. $\frac{11}{12}$ (Common denominator is 12. $\frac{8}{12} + \frac{3}{12} = \frac{11}{12}$)
9. $\frac{11}{18}$ (Common denominator is 18. $\frac{15}{18} - \frac{4}{18} = \frac{11}{18}$)
10. $\frac{23}{30}$ (Common denominator is 30. $\frac{18}{30} + \frac{5}{30} = \frac{23}{30}$)
11. $\frac{17}{30}$ (Common denominator is 30. $\frac{21}{30} - \frac{4}{30} = \frac{17}{30}$)
12. $\frac{37}{40}$ (Common denominator is 40. $\frac{25}{40} + \frac{12}{40} = \frac{37}{40}$)