

Name: _____

Date: _____

Adding and Subtracting Fractions

Solve the following. Write your answers in simplest form.

1. $\frac{4}{9} + \frac{2}{9}$

2. $\frac{7}{10} - \frac{4}{10}$

3. $\frac{5}{12} + \frac{11}{12}$

4. $\frac{8}{15} - \frac{3}{15}$

Method Reminder: You must find a common denominator first. Multiply the numerator and the denominator by the same number to create equivalent fractions before adding or subtracting.

Example: $\frac{1}{4} + \frac{2}{3} = \frac{3}{12} + \frac{8}{12} = \frac{11}{12}$

Find a common denominator and solve. Simplify your answers.

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

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

7. $\frac{3}{4} + \frac{2}{5}$

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

Mixed Numbers & Improper Fractions

Method Reminder: You have two options for mixed numbers:

1. Convert both mixed numbers into improper fractions first (e.g., $1 \frac{1}{2} = \frac{3}{2}$).
2. Work with the whole numbers and fractions separately. If subtracting, you may need to regroup (e.g., $3 \frac{1}{4} - 1 \frac{3}{4}$ becomes $2 \frac{5}{4} - 1 \frac{3}{4}$).



Solve the following. Write your final answers as mixed numbers in simplest form.

9. $2 \frac{1}{3} + 1 \frac{1}{3}$

10. $4 \frac{3}{5} - 2 \frac{1}{5}$

11. $3 \frac{1}{4} + 2 \frac{1}{2}$

12. $5 \frac{1}{8} - 1 \frac{3}{4}$

13. $\frac{7}{3} + \frac{5}{2}$

14. $\frac{9}{4} - 1 \frac{1}{2}$



15. Marcus is baking bread. The recipe calls for $1 \frac{1}{2}$ cups of whole wheat flour and $\frac{3}{4}$ cup of white flour. How many cups of flour does Marcus need in total?

16. Elena's goal is to run $3 \frac{1}{4}$ miles today. She has already run $1 \frac{1}{2}$ miles. How much further does she need to run to reach her goal?





Solve the following expressions. Write your final answer as a simplified fraction or mixed number.

17. $5 + \frac{2}{7} - 2$

18. $-3 - \frac{4}{5}$

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

20. $6 - 2\frac{1}{4} - \frac{3}{4}$

21. $\frac{8}{3} - 2 + \frac{1}{3}$

