



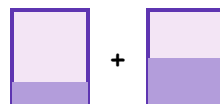
Potion-Making Fractions!



*You're a wizard! Combine the fractional ingredients to create magic potions.
Remember: when the bottom number (denominator) is the same, just add or subtract the top numbers (numerators)!*

Part 1: Mixing the Potions (Addition)

1. $1/4 + 2/4 =$ _____



2. $3/8 + 4/8 =$ _____



3. $2/6 + 3/6 =$ _____

4. $5/10 + 5/10 =$ _____

5. $1/5 + 2/5 =$ _____

6. $2/12 + 9/12 =$ _____

Part 2: Perfecting the Recipe (Subtraction)

7. You have $7/8$ of a potion and use $3/8$. How much is left? $(7/8 - 3/8) =$ _____



8. $\frac{4}{5} - \frac{2}{5} =$ _____

9. $\frac{3}{3} - \frac{1}{3} =$ _____

10. $\frac{9}{10} - \frac{5}{10} =$ _____

11. $\frac{5}{6} - \frac{1}{6} =$ _____

$\frac{11}{12} - \frac{4}{12} =$ _____

Part 3: Advanced Potion Word Problems

13. A shrinking potion needs $\frac{3}{10}$ liter of beetle juice and $\frac{4}{10}$ liter of snail slime. What is the total volume of the potion? _____

14. A full invisibility cloak is made of 1 whole piece of fabric. If you use $\frac{2}{5}$ of it for a scarf, what fraction of the fabric is left? (Hint: 1 whole = $\frac{5}{5}$) _____

15. You start with $\frac{7}{8}$ of a truth serum. You add $\frac{1}{8}$ more, then you use $\frac{4}{8}$. How much is left? _____

Answer Key

1. $\frac{3}{4}$ | 2. $\frac{7}{8}$ | 3. $\frac{5}{6}$ | 4. $\frac{10}{10}$ (or 1) | 5. $\frac{3}{5}$ | 6. $\frac{11}{12}$ | 7. $\frac{4}{8}$ (or $\frac{1}{2}$) | 8. $\frac{2}{5}$ | 9. $\frac{2}{3}$
| 10. $\frac{4}{10}$ (or $\frac{2}{5}$) | 11. $\frac{4}{6}$ (or $\frac{2}{3}$) | 12. $\frac{7}{12}$ | 13. $\frac{7}{10}$ liter | 14. $\frac{3}{5}$ | 15. $\frac{4}{8}$ (or $\frac{1}{2}$)

Answer Key

1. $\frac{3}{4}$ | 2. $\frac{7}{8}$ | 3. $\frac{5}{6}$ | 4. $\frac{4}{8}$ (or $\frac{1}{2}$) | 5. $\frac{2}{5}$ | 6. $\frac{4}{6}$ (or $\frac{2}{3}$) | 7. $\frac{7}{10}$ liter | 8. $\frac{3}{5}$