

Time-Saver Games, Part One— Adding Fractions

Name: _____

You will look for ways to reach a target sum using the fewest fractions.

EXPLORE

1. Open **Time Saver Games Part One--Adding Fractions.gsp**. Go to page “Game 1(A).”

Choose **Make Fraction** from the Custom Tools menu.

Follow these steps to make a fraction:

- Click a number. This is the numerator.
- Click another number. This is the denominator.
- Click to place the fraction segment on the number line. Your fraction is complete!

If you make a fraction but don’t want to keep it, choose **Edit | Undo Make Fraction**.

2. Use the **Make Fraction** tool to make fractions that add up to $\frac{9}{10}$. Use as few fractions as possible. Write the addition statement below.

3. Go to page “Game 1(B).” Use the **Make Fraction** tool to make fractions that add up to $\frac{9}{10}$. Use as few fractions as possible. Write the addition statement below.

4. Go to page “Game 1(C).” Make $\frac{9}{10}$ with as few fractions as possible. Write the addition statement below.

5. Go to page “Game 2(A).” Make $\frac{11}{15}$ with as few fractions as possible. Write the addition statement below.

6. Go to page “Game 2(B).” Make $\frac{11}{15}$ with as few fractions as possible. Write the addition statement below.

7. Go to page “Game 2(C).” Make $\frac{11}{15}$ with as few fractions as possible. Write the addition statement below.

8. Go to page “Game 3(A).” Make $\frac{30}{37}$ with as few fractions as possible. Write the addition statement below.

9. Go to page “Game 3(B).” Make $\frac{30}{37}$ with as few fractions as possible. Write the addition statement below.

10. Go to page “Game 3(C).” Make $\frac{30}{37}$ with as few fractions as possible. Write the addition statement below.

11. Explain how you found the way to reach each target sum using the fewest fractions.
