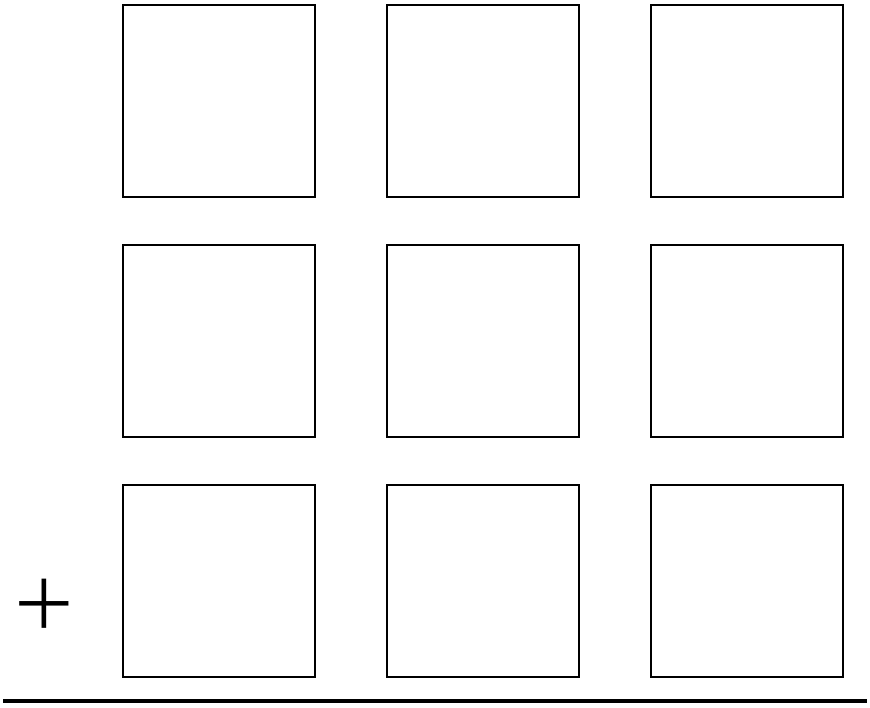
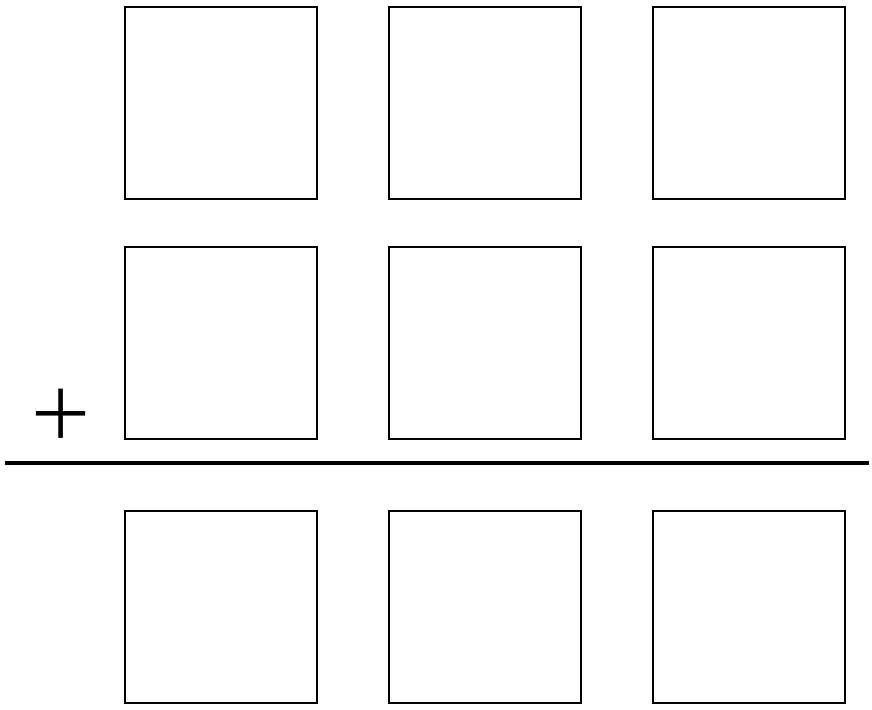
1. Find the largest possible sum by using your number tiles.



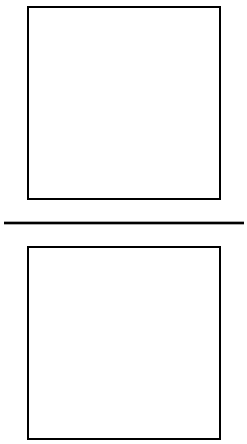
2. Explain how you know you have the largest sum.

3. Are there other addends that give you the largest sum? Explain.

Use the tiles 1 through 9 to find solutions to the problem below. Write down your solutions.

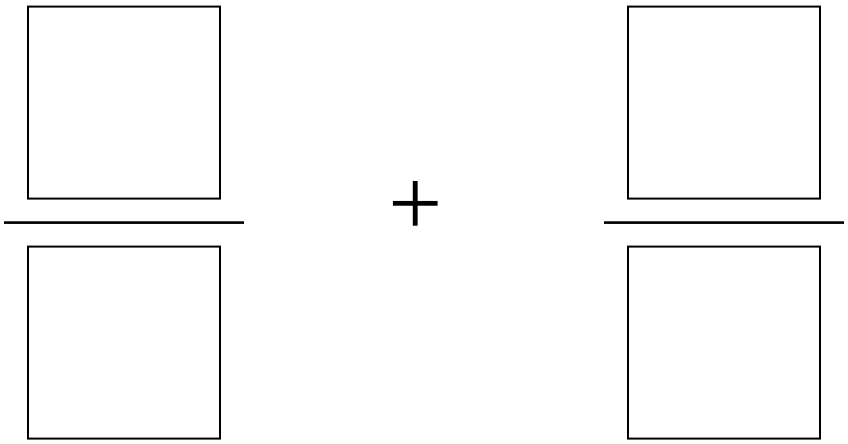


Use your tiles to make a proper fraction that is as close as possible to 1. Explain how you know you have the fraction that is closest to 1.

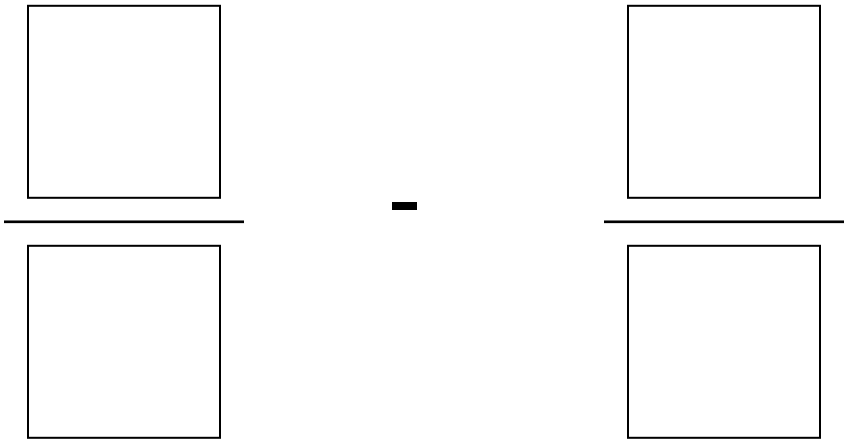


Number Tiles and Fractions

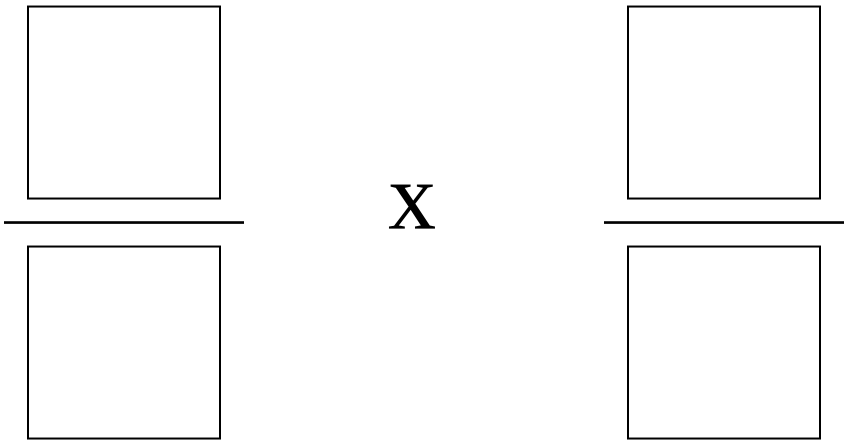
Using four different digits, make two proper fractions whose sum is as close as you can get to 1 but still less than 1.



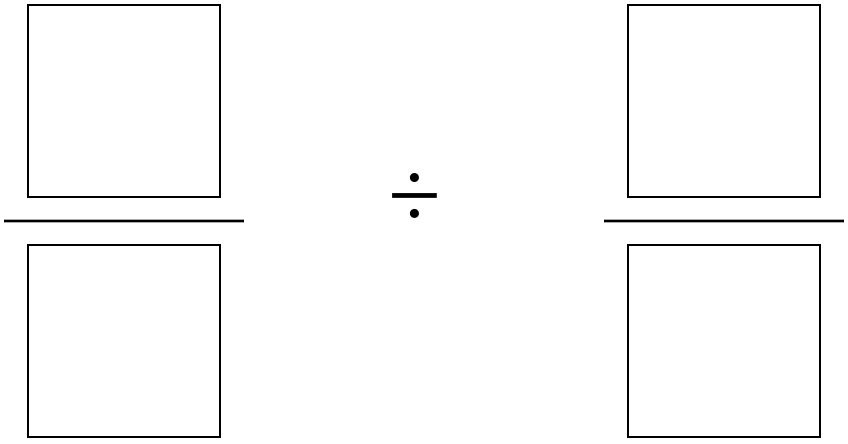
Using four different digits, make two proper fractions whose difference is as great as possible but still a positive number.



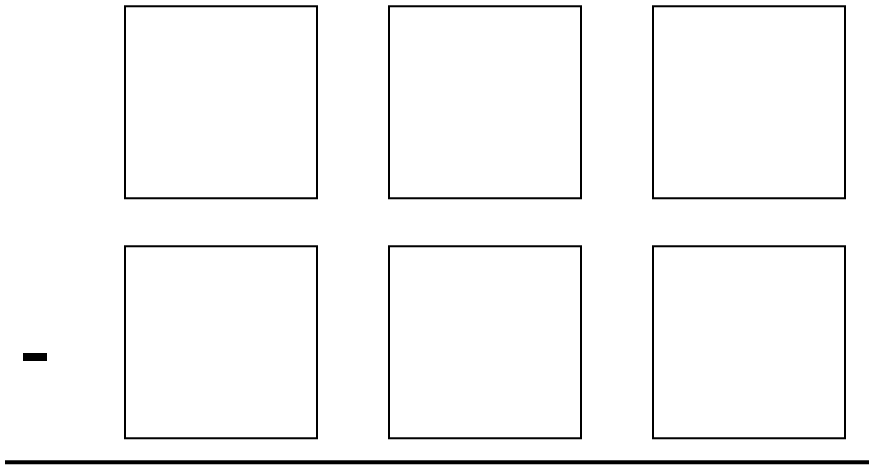
Using four different digits, make two proper fractions whose product is as close as you can get to 1.



Using four different digits, make the smallest possible quotient.



Find the largest possible difference by using your number tiles.



Find the smallest possible difference by using your number tiles.