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1. Because if the value was returned by reference, the value will be gone when the function goes out of scope. Returning by value will pass a copy of that value so even after the function goes out of scope, the value remained the same.
2. The temporary objects are: Fraction a,b,c,d,e.
3. I called the default constructor Fraction() in other functions whenever I needed to set an object to an empty state. I called the reduce() function whenever I needed to reduce an object. In the reduce() function I called the gcd() function. I also called the isEmpty() function whenever I needed to check if the object was empty.
4. I have learned how to overload operators, how to implement the formula of addition and multiplication of two fractions into source code.