```
def Rice(func):
    memo = {}
    def wrapper(n):
        if n not in memo:
            memo[n] = func(n)
        return memo[n]
    return wrapper

def calculate_rice_needed(people):
    # Each person requires 1 cup of cooked rice, and 1 cup of uncooked rice makes 2 cups of cooked rice, always round up!!!
    cups_of_cooked_rice_needed = people
    cups_of_uncooked_rice_needed = (cups_of_cooked_rice_needed + 1) // 2
    return cups_of_uncooked_rice_needed

# Function to calculate how many times the rice cooker needs to cook!!!
def calculate_rice_cooker_cycles(cups_of_uncooked_rice_needed):
    rice_cooker_capacity = 8 #This is a 1.6L rice cooker
    cooker_cycles = (cups_of_uncooked_rice_needed + rice_cooker_capacity - 1) // rice_cooker_capacity
    return cooker_cycles

# Displays the results and also include the user input
def main():
    people = int(input("Enter the number of people: "))
    cups_of_uncooked_rice_needed = calculate_rice_needed(people)
    print(f"Cups of uncooked rice needed: {cups_of_uncooked_rice_needed}")

    cooker_cycles = calculate_rice_cooker_cycles(cups_of_uncooked_rice_needed)
    print(f"Number of times the rice cooker needs to cook: {cooker_cycles}")

if __name__ == "__main__":
    main()
```

```
Enter the number of people: 25
Cups of uncooked rice needed: 13
Number of times the rice cooker needs to cook: 2
```