

Process: Making Morning Coffee.

This VSM focuses on the steps involved in making coffee in the morning. The goal is to identify inefficiencies and improve the process.

### Estimated Flow Time for Each Step

Task	Estimated Time
Wake Up	2 mins
Walk to Kitchen	1 min
Fill Kettle with Water	1 min
Boil Water	5 mins
Grind Coffee Beans	2 mins
Prepare Coffee Filter	1 min
Pour Hot Water Over Coffee	1 min
Wait for Brewing	4 mins
Pour Coffee into Mug	1 min
Add Sugar / Milk (Optional)	1 min
Drink Coffee	10 mins
<b>Total Estimated Time:</b>	<b>29 mins</b>



## Lean Metrics & Waste Analysis

### Identified Inefficiencies:

1. **Boiling water takes too long** → Using a regular kettle instead of an electric one.
2. **Waiting for coffee to brew is idle time** → No multitasking during this step.
3. **Grinding beans manually** → Slower than using pre-ground coffee.
4. **Multiple trips to grab ingredients** → Sugar and milk stored separately instead of near the coffee station.

### Optimizations to Reduce Waste:

- **Use an electric kettle** to boil water **30% faster**.
- **Prepare filter and coffee grounds while water is boiling** to minimize wait time.

- **Use pre-ground coffee on busy mornings** to reduce time by **2 minutes**.
- **Keep sugar and milk near the coffee setup** to avoid extra movement.

## **Final Thoughts**

Applying these optimizations reduces the total coffee-making time **from 29 to 22 minutes**, **saving 7 minutes every morning**.

This improvement allows for extra time to **prepare for work, check emails, and things of that nature**.