ABC Store Report

ABC Store is preparing to open a new store, designed to handle 1800 orders daily. The store will operate for 18 hours a day and has a total space of 2000 square feet. To create the assessment report, I'll break down the calculations for the required number of delivery partners (drivers) and workers inside the store to ensure smooth operations while maintaining ABC Store high customer service standards and efficient order fulfillment process.

**Assumptions:**

**Delivery Partners Requirements:**

1. Each order consists of an average of 5 items.
2. Each delivery partner can handle a maximum of 20 orders per hour.
3. It takes 5 minutes for a worker to pick and pack each item.

Key Aspects

* Expected Daily Orders: 1800
* Average Time per Delivery: 30 min
* Hours Store Open per Day: 18 hours (1080 Min)
* Orders per Hour: 1800 / 18 ≈ 100
* Delivery Partners Needed per Hour: 100 / 20 (orders per hour per driver) ≈ 5
* Total Delivery Partners Needed per Day: 5 \* 18 hours = 90 drivers

Conclusion: At least 90 delivery partners will be needed to ensure timely deliveries, likely spread out across different shifts.

**In Store Worker Requirements**

Key Aspects

* Total Orders per Day: 1800
* Hours Store Open per Day: 18 hours (1080 Min)
* Average Items Per Order: 5
* Average Time to Pick and Pack Each Item: 5 minutes
* Total Items to Pick and Pack per Day: 1800 \* 5 = 9,000 items

**How Much Time is Required?**

* Time to Pick and Pack Each Item: 5 minutes: 9000 \* 5 = 45000 min per day

**How Many Workers Do We Need?**

* Total Workers Needed per Day: 45,000 / 1080 ≈ 42 workers

Conclusion: A team of 42 in-store workers will be required to efficiently handle picking and packing operations.

**Further Forethought**

Peak Time: During peak times, it may be necessary to have additional store staff and delivery partners available to sustain rapid service.

Shift Coverage: The store should consider organizing the workforce across shifts to ensure sustain coverage during high demand hours.

**Conclusion**

To meet the operational demands of Blinkit’s new store and ensure fast deliveries:

* **90 delivery partners** are recommended for handling deliveries.
* **42 in-store workers** will be needed for picking and packing.

Adequately Manage these staffing levels will help maintain Blinkit’s prestige for Efficient and trustworthy experience