Data from the Bepha Tools E-Commerce Site Sprints

Reminder of Sprint Goals

- **Sprint 1:** Foundation and core features

- **Sprint 2:** AI features and order tracking

- **Sprint 3:** Customer support and reviews

Metric: Sprint burndown

Day	User stories remaining in Sprint 1	User stories remaining in Sprint 2	User stories remaining in Sprint 3
1	50	60	40
3	40	50	30
5	30	30	20
7	20	10	10
10	0	0	0

Metric: Velocity

Sprint 1: 50 story points completed

Sprint 2: 60 story points completed

Sprint 3: 40 story points completed

Metric: Burnup chart

Bepha Tool e-commerce scope: 150 story points

Sprint 1: Cumulative completed = 50 points

Sprint 2: Cumulative completed = 110 points

Sprint 3: Cumulative completed = 150 points

Metric: Cycle time

NOTE: Each Sprint Plan contained 3 user stories.

User Story	Sprint 1 cycle time	Sprint 2 cycle time	Sprint 3 cycle time
1st	3	5	2
2nd	4	4	3
3rd	2	3	2.5

Metric: Lead time

NOTE: Each Sprint Plan contained 3 user stories.

User story	Sprint 1 lead time	Sprint 2 lead time	Sprint 3 lead time
1st	5	7	4
2nd	6	6	5
3rd	4	5	3

Metric: Work item age

Sprint	Average work item age (Days)
1	2

Sprint	Average work item age (Days)
2	3
3	1.5

Metric: Sprint Goal success

Sprint	Fully achieved?
1	Yes
2	Yes
3	Yes

Metric: Defect density

Sprint	Total # of defects	Story points completed
1	3	50
2	5	60
3	2	40

Metric: Cumulative flow

Sprint 1

Day	To Do	WIP	Done
1	50	20	0
3	40	20	10

Day	To Do	WIP	Done
5	30	10	20
7	20	5	30
10	0	0	50

Sprint 2

Day	To Do	WIP	Done
1	60	30	0
3	50	25	10
5	30	15	30
7	10	10	50
10	0	0	60

Sprint 3

Day	To Do	WIP	Done
1	40	20	0
3	30	15	10
5	20	10	20
7	10	5	30
10	0	0	40

Qualitative data

For each sprint, review the qualitative findings below and identify key insights.

Sprint 1

Customer satisfaction findings from survey/feedback:

1. "The registration and search features are easy to use. Great job!"
2. "The site is intuitive, but the checkout process could be faster."
3. "The product catalog is well-organized and easy to navigate."

Scrum Team satisfaction findings from survey/feedback:

1. "We worked well together, but the testing phase felt rushed."
2. "The sprint goal was clear, and we delivered on time."
3. "We need better tools for collaboration and task tracking."

Sprint 2

Customer satisfaction findings from survey/feedback:

1. "The AI assistant is helpful but could be faster."
2. "Order tracking works well, but the interface could be more polished."
3. "The custom tool design process is innovative and user-friendly."

Scrum Team Satisfaction findings from survey/feedback:

1. "We're proud of the AI feature, but the workload felt heavy."
2. "The team collaboration was strong, but we need better tools."
3. "The sprint planning process could be more efficient."

Sprint 3

Customer satisfaction findings from survey/feedback:

1. "Customer support is responsive, and the reviews are helpful."
2. "The site is easy to navigate, but the search could be more accurate."
3. "The special deals section is a great addition to the site."

Scrum Team satisfaction findings from survey/feedback:

1. "This sprint felt smoother, and we're proud of the results."
2. "The workload was balanced, and communication improved."
3. "We need more time for documentation and technical debt."