

System Development Scrum 3

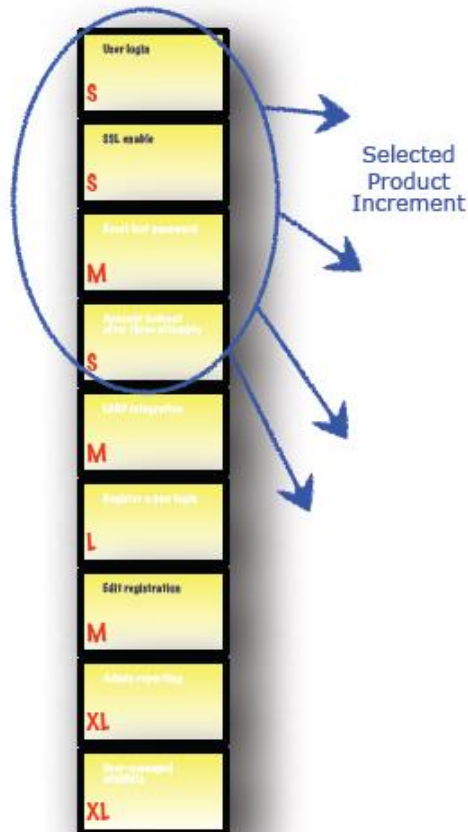
Datamatiker /Computer Science
2nd Semester
Spring 2017

Agenda for Scrum Day 3

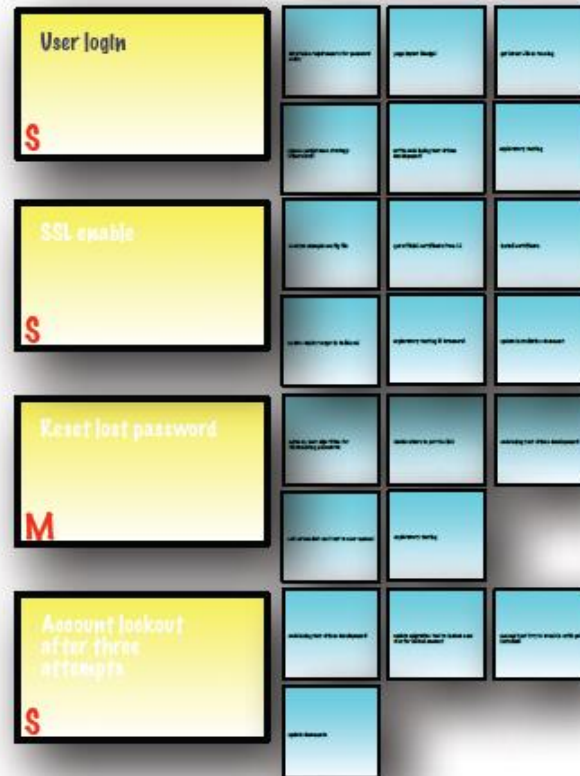
- Debrief yesterday's workshop
- Tech practice: Automated unit testing
- Sprint planning
- Sprint work
- Work on Product Backlog + team contract

From Product Backlog to Sprint Backlog

Product Backlog



Sprint Backlog



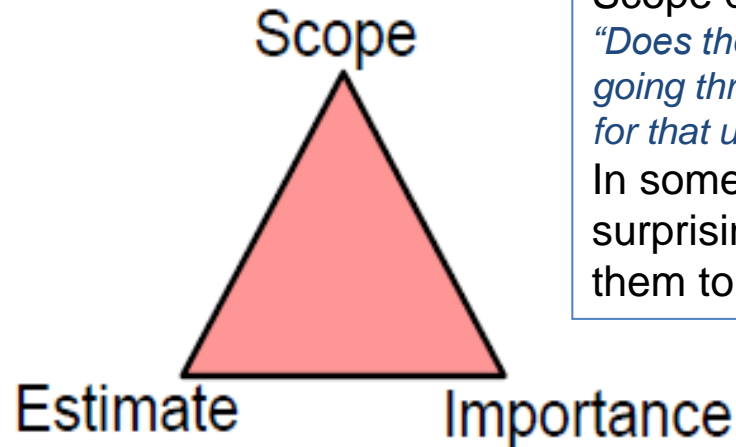
Source: <http://scrumreferencecard.com/ScrumReferenceCard.pdf>

Sprint Backlog

- Contains **committed stories** negotiated between the team and the Product Owner during the Sprint Planning Meeting
- **Initial tasks** are identified by the team during Sprint Planning Meeting
- Team will discover **additional tasks** needed to meet the fixed scope commitment during Sprint execution

Which stories to include in sprint? (Kniberg pp 16-17)

- Sprint planning meeting with team decision based on:



Scope question example

“Does the ‘delete user’ story include going through each pending transaction for that user and canceling it?”

In some cases the answer will be surprising to the team, prompting them to change their estimates

In some cases the time estimate for a story won't be what the PO expected.

This may prompt the PO to change the importance of the story. Or change the scope of the story, which in turn will cause the team to re-estimate, etc. etc.

From Story to Tasks

Story:

**As an online store owner,
I want to view my products
so that I can review what is current available on my site**

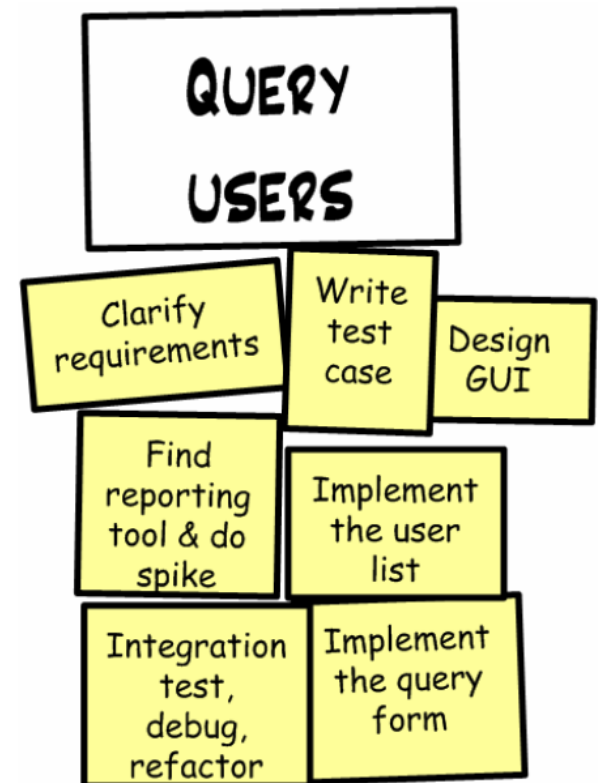
Split story into tasks (examples):

1. Create database table
2. Populate table with a few sample data
3. Create select SQL script
4. Create UI for viewing my products
5. ...
6. Create automated functional tests for viewing functionality

Story vs. Task

- **Stories:** deliverable things at PO (business value) level
- **Tasks:** non-deliverable things that PO doesn't care about

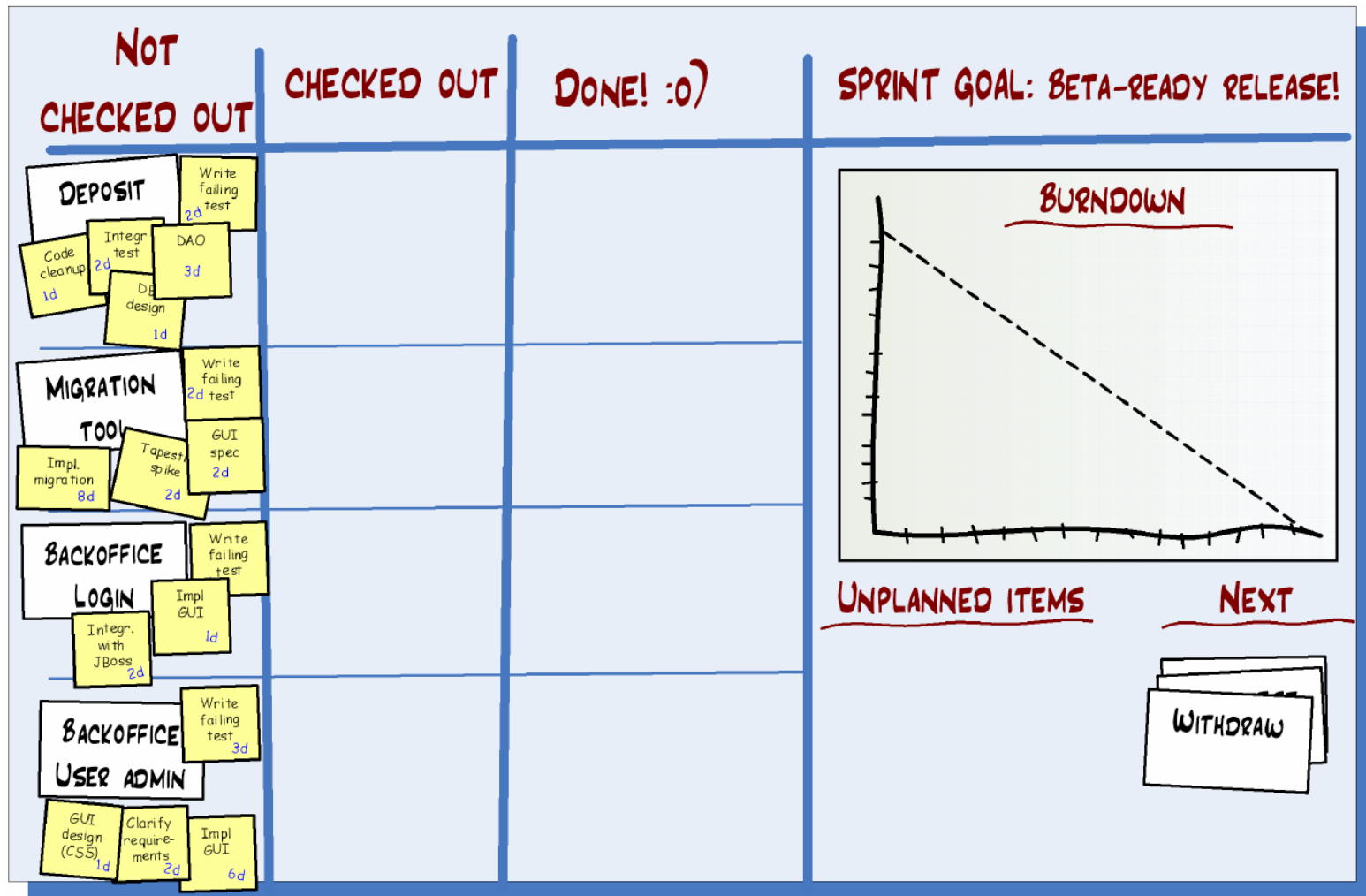
Example:



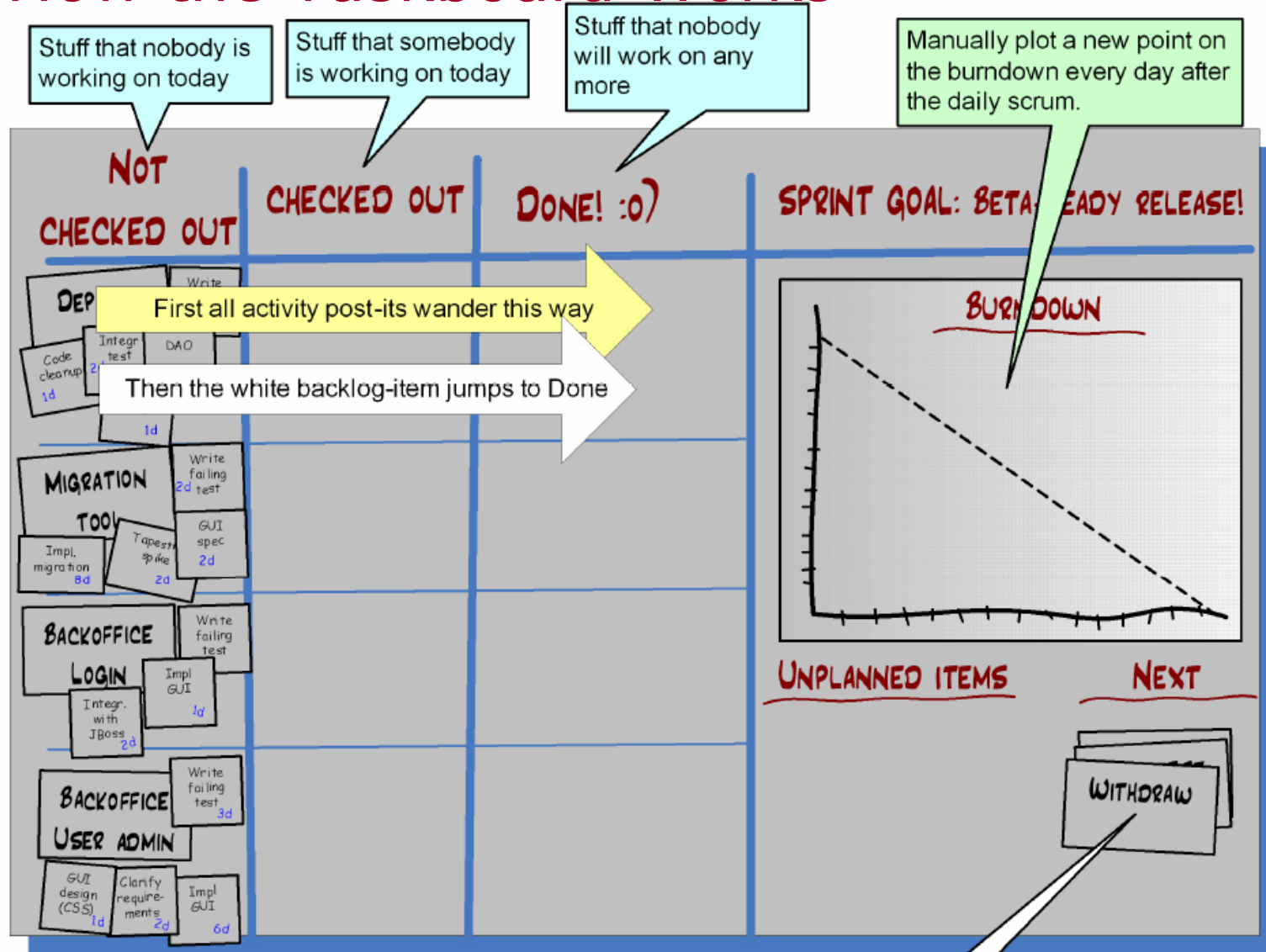
Sprint Backlog Format

Kniberg p. 46

Taskboard + Burndown Chart should always visible to team:



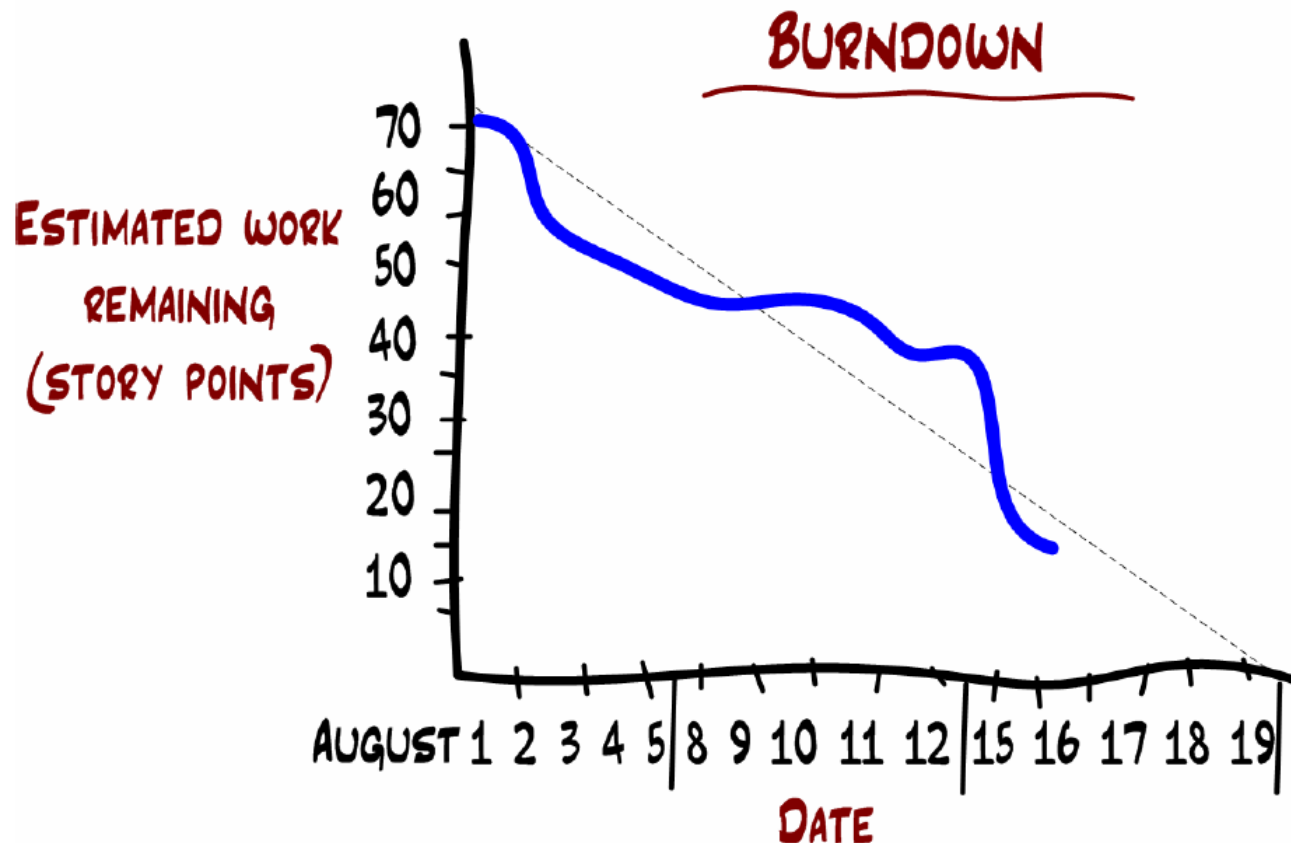
How the Taskboard Works



If all backlog items are completed before the sprint ends, add new ones from here.

Burndown Chart

- Tracking progress during sprint.
 - The graph shows, each day, a new estimate of how much work remains until the team is finished.

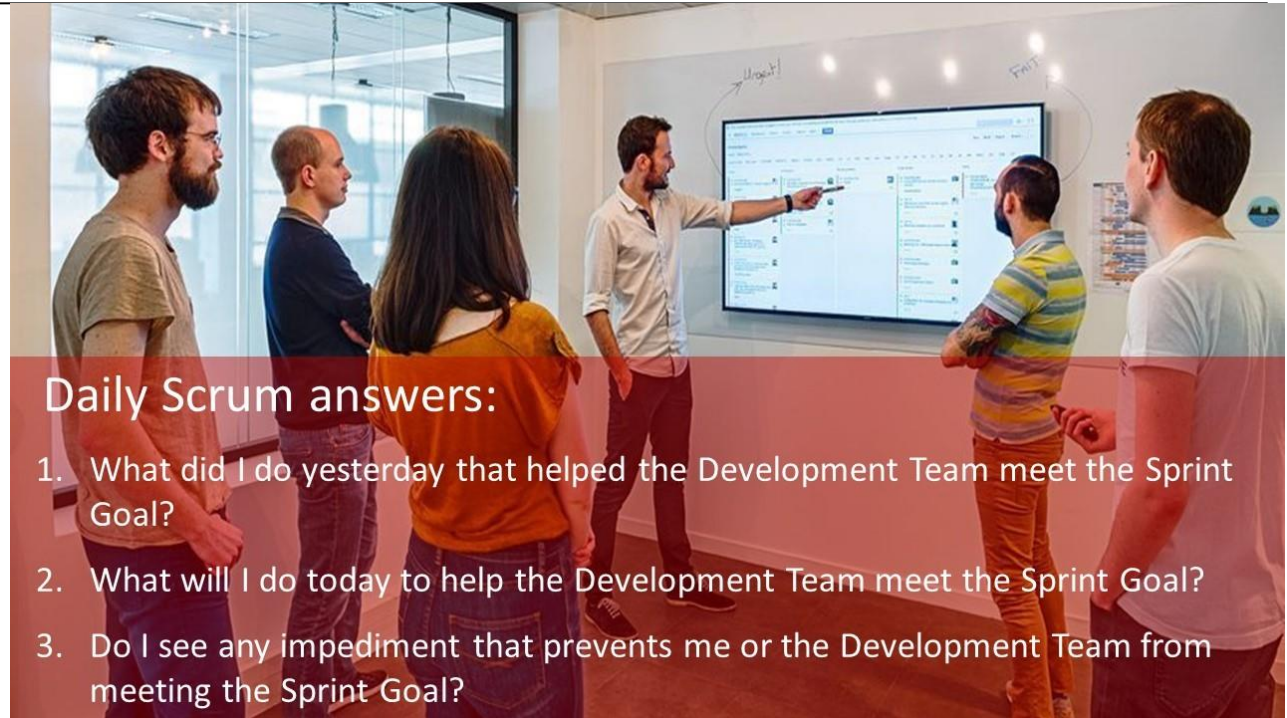


An example of a real sprint backlog near the end of a sprint



The daily scrum

- Daily
- 15-minutes
- Stand-up



source: <https://masterofproject.com/blog/135454/daily-scrum>

- Not for problem solving
 - Everybody can attend
 - Only team, ScrumMaster and Product Owner can talk
- Helps avoid other unnecessary meetings

Everyone answers 3 questions

1

What did you do yesterday?

2

What will you do today?

3

Is anything in your way?

- These are *not* status for the ScrumMaster
 - They are commitments in front of peers

BurndownChart – using excel 1/5

Microsoft Excel - BurnDownChart

File Edit View Insert Format Tools Data Window Help

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Project	Story	Task	Start	Day10	Day 9	Day 8	Day 7	Day 6	Day 5	Day 4	Day 3	Day 2	Day 1		
2	My Project	Story 1	Task 1.1													
3	My Project	Story 1	Task 1.2													
4	My Project	Story 1	Task 1.3													
5	My Project	Story 2	Task 2.1													
6	My Project	Story 2	Task 2.2													
7	My Project	Story 3	Task 3.1													
8	My Project	Story 3	Task 3.2													
9	My Project	Story 3	Task 3.3													
10	My Project	Story 3	Task 3.3													
11	My Project	Story 4	Task 4.1													
12	My Project	Story 4	Task 4.2													
13	My Project	Story 4	Task 4.3													
14	My Project	Story 4	Task 4.4													
15	Ideal - Remaining effort in Ideal work hours															
16	Actual - Remaining effort in Ideal work hours															
17																
18																
19																
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22																
23																

6 of 24 - Clipboard

Paste All Clear All

Click an item to paste:

- 8658895738689
- My Project Story 1 Task 1.1
8 My Project Story 1 Task
1.2 6 My Project Story 1 ...
- My Project
- Project Story Task Start
Day10 Day 9 Day 8 Day 7
Day 6 Day 5 Day 4 Day 3 ...

To display this task pane again, click Office Clipboard on the Edit menu or press Ctrl+C twice.

Options

Sheet1 Sheet2 Sheet3

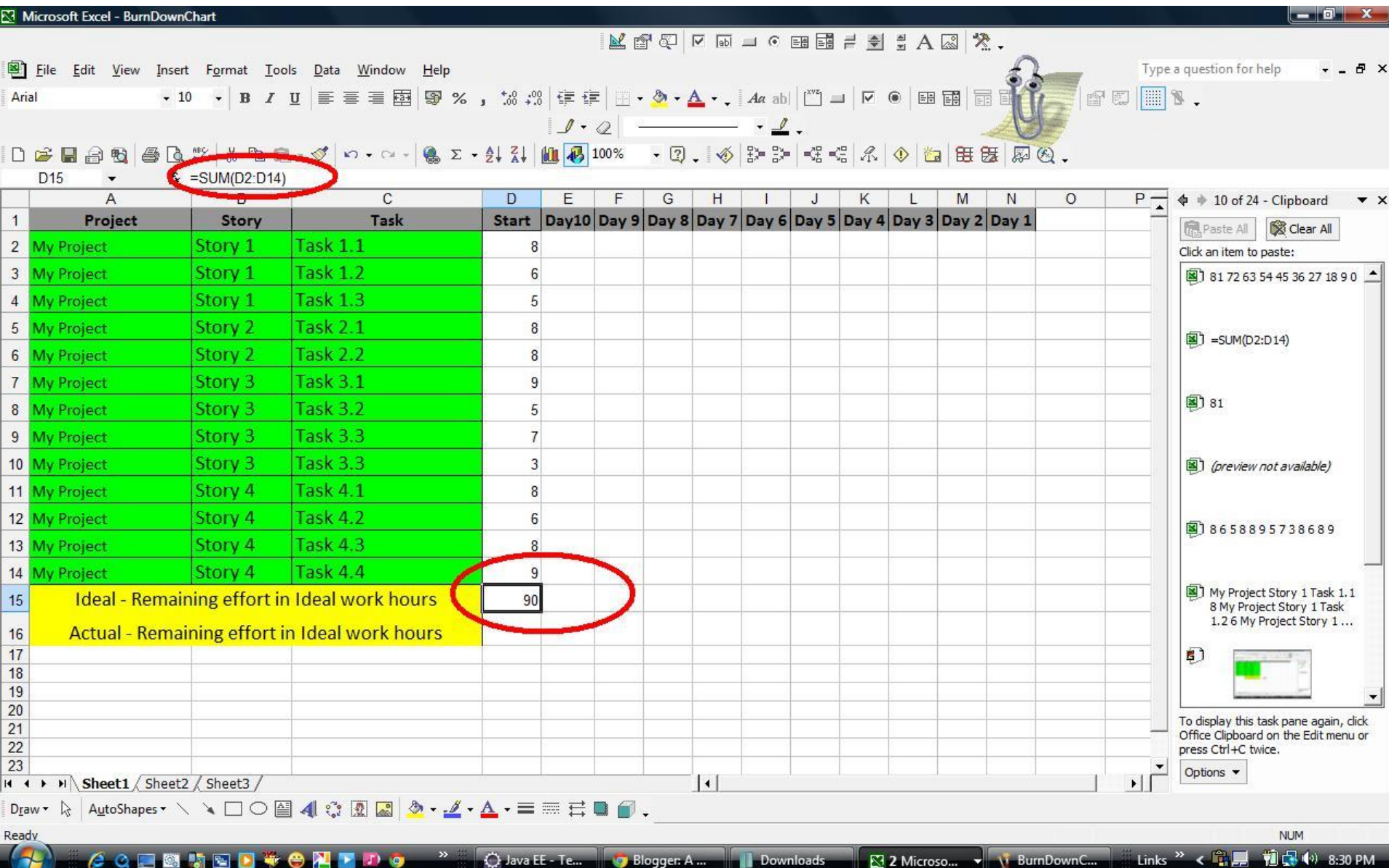
Draw AutoShapes

Ready

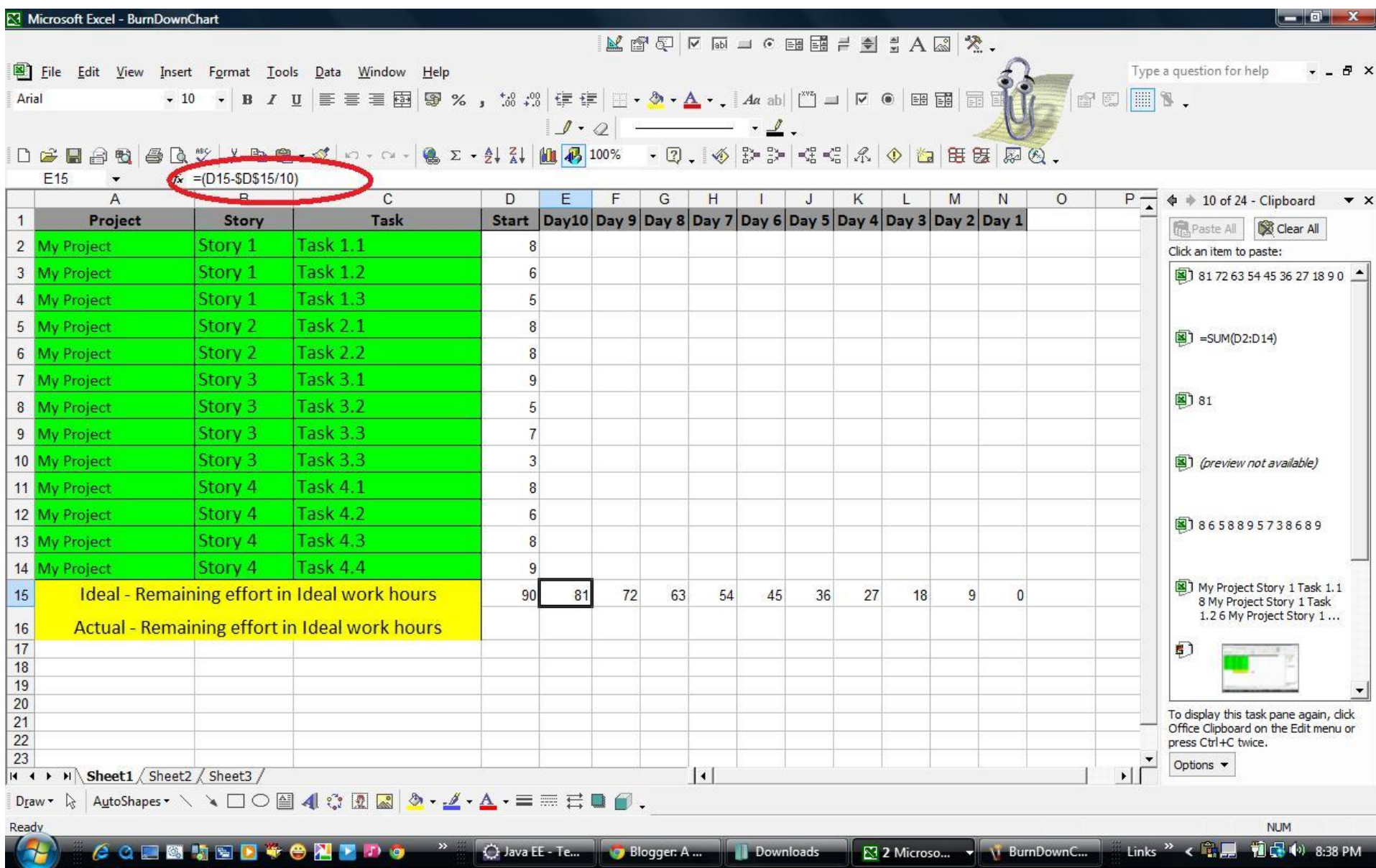
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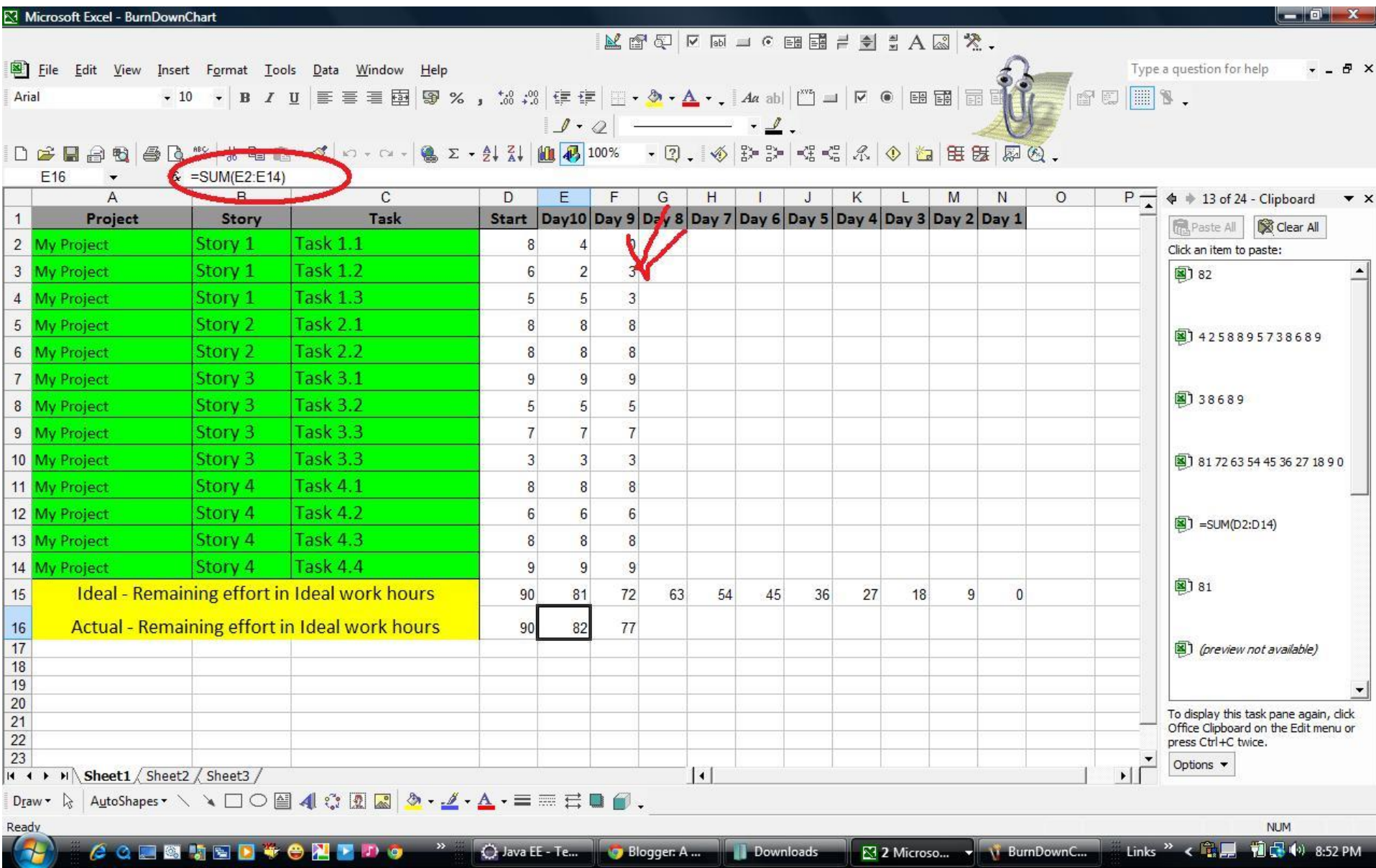
BurndownChart – using excel 2/5



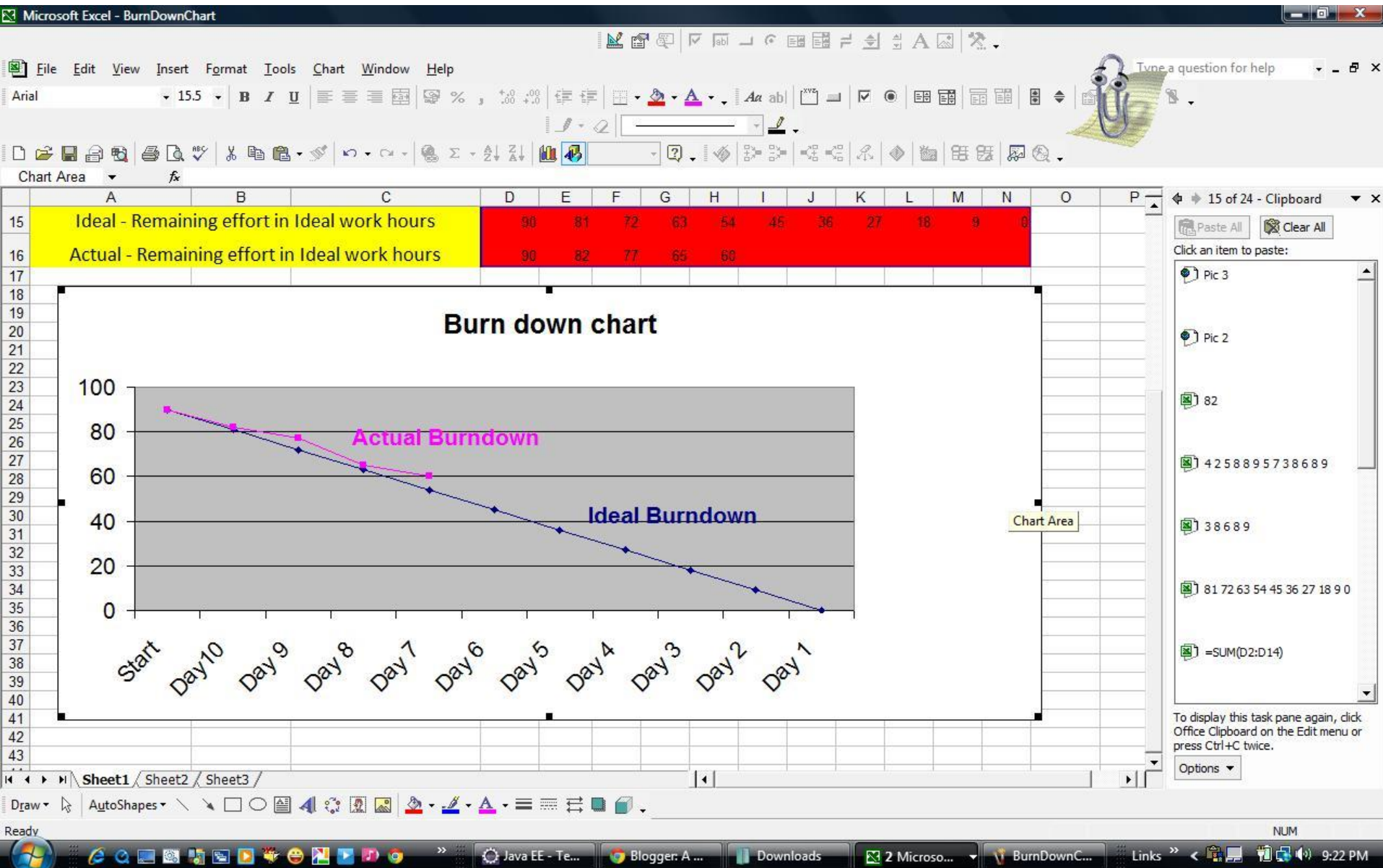
BurndownChart – using excel 3/5



BurndownChart – using excel 4/5



BurndownChart – using excel 5/5

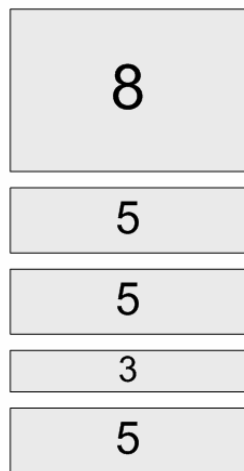


Velocity estimations – Yesterday's Weather

Can we get better at estimating?

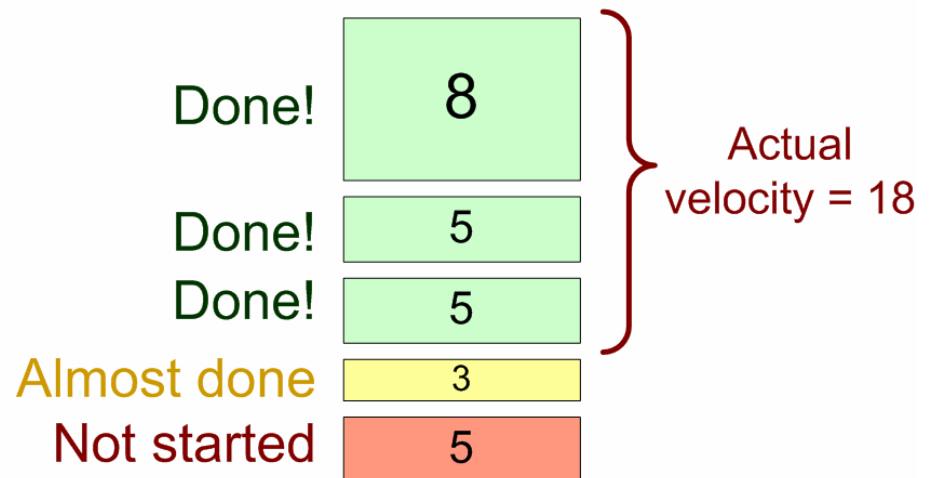
- A simple way to estimate velocity is to look at team history
 - What was their velocity during the past few sprints?
 - Then assume that velocity will be roughly the same next sprint.

Beginning of sprint




Estimated
velocity = 26

End of sprint



Exercise work now – must be ready for Friday Sprint Planning Meeting

- Team contract
- Produce Product Backlog for Fog project
 - Identify user stories – will be prioritized with PO Friday
 - Identify initial tasks for each story



Normally done by PO, but we must pretend here 😊

Scrum Tool demo tomorrow

- Trello
- ScrumWise
- Waffle