

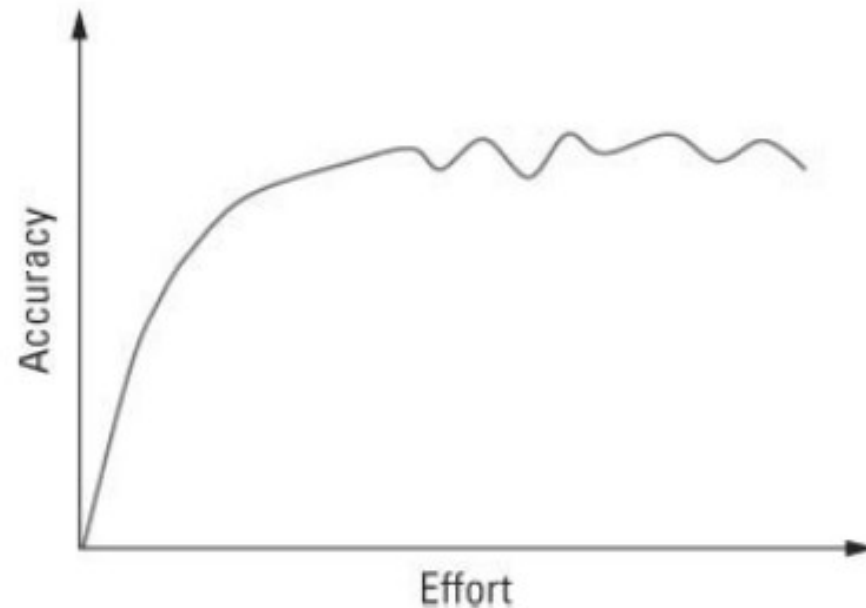
AGILE ESTIMATION

Product backlog
Foundation
Plumbing
electricity
Kitchen
Bath room
Living room
Bed Room 1
Garage
driveway
Bed Room 2
Bed Room 3
Dog house

Sprint backlog	Task todo	Task in progress	Task Done	Story Accepted



Estimating user stories

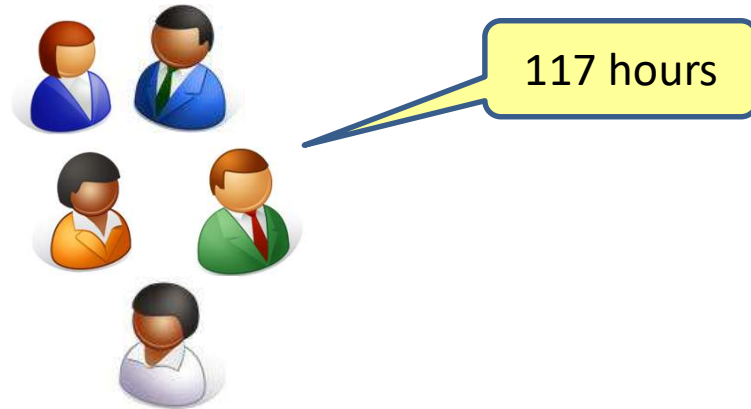


- Estimations are always estimations
- A little effort in estimation produces already an accurate result
- Much more effort in estimation produces does not give more accurate results

Length of the specification



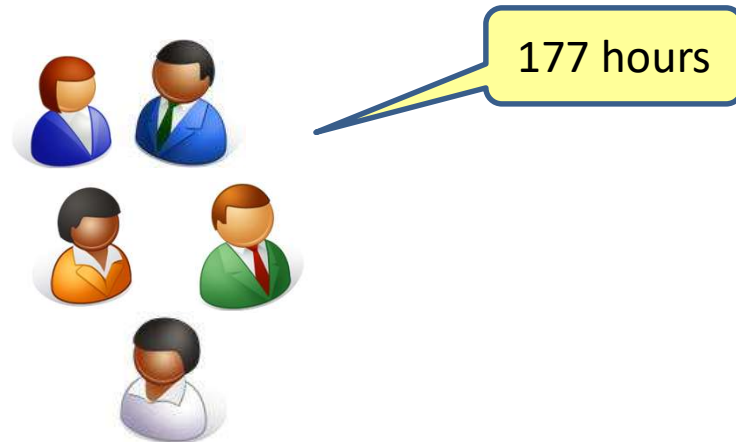
1 page



Group 1

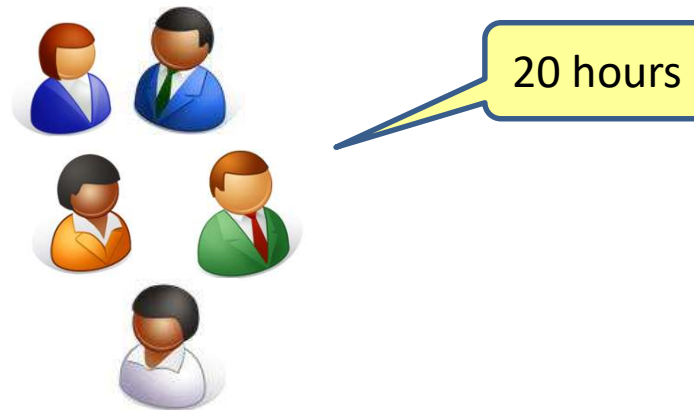


7 pages

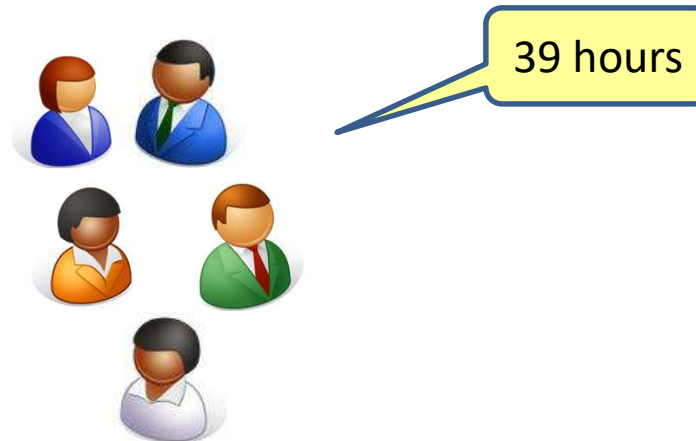


Group 2

Not relevant information



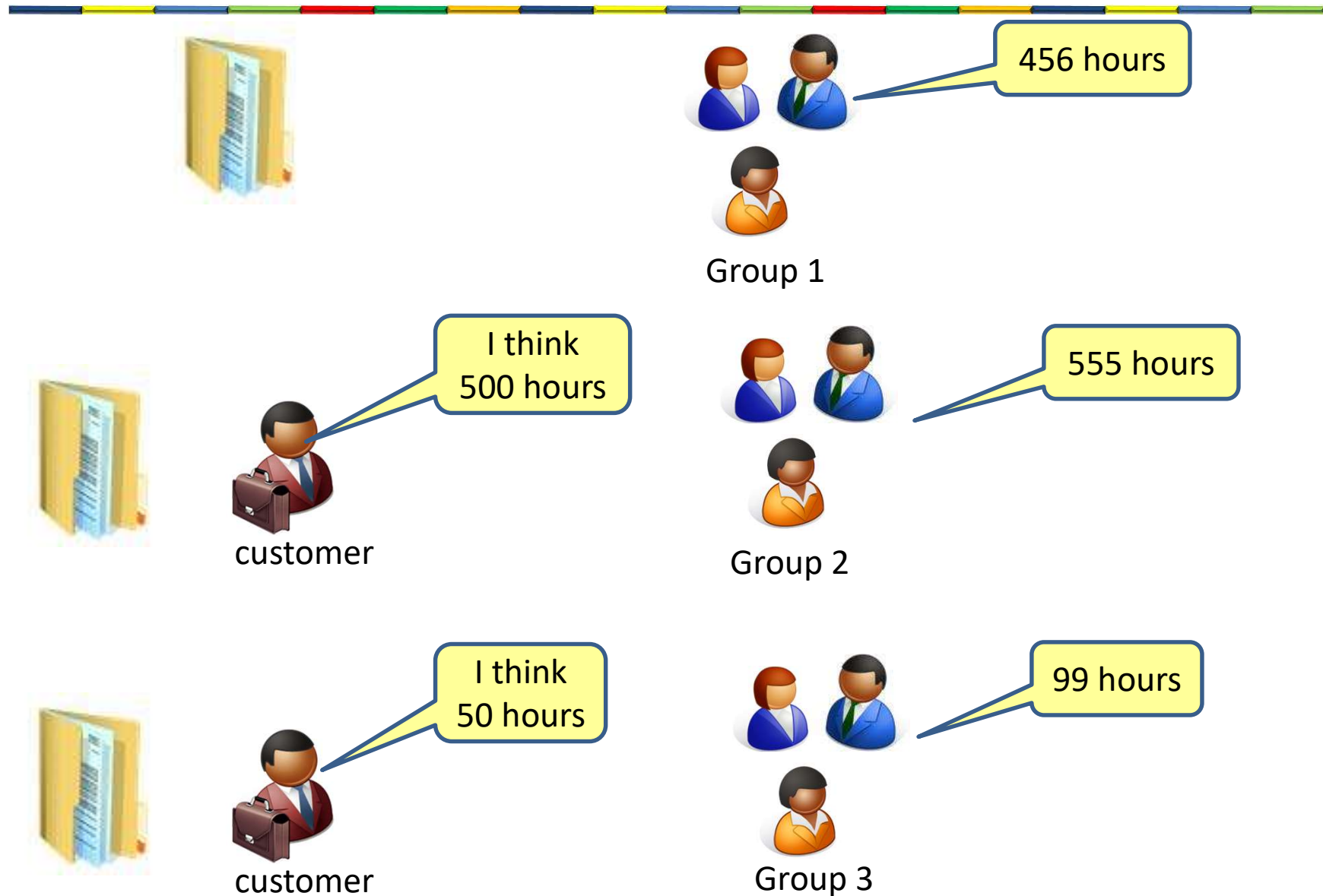
Group 1



Group 2

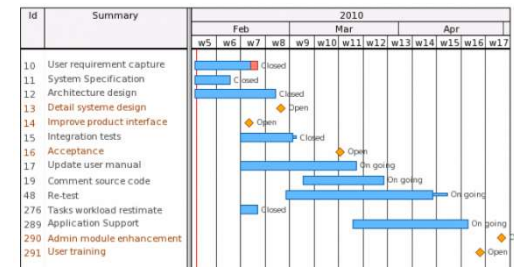
Not relevant information is added

Given anchor point

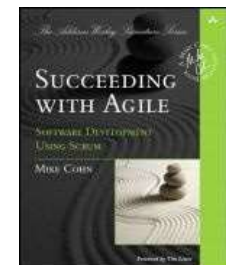


What is wrong with estimating hours

- We are not good in estimating hours
- What one developer does in 10 hours does another developer in 1 hour
- Detailed estimation of hours takes a lot of time



- Most project don't know their velocity: How much functionality can the team implement in one sprint?
- How long does it take to read this book?

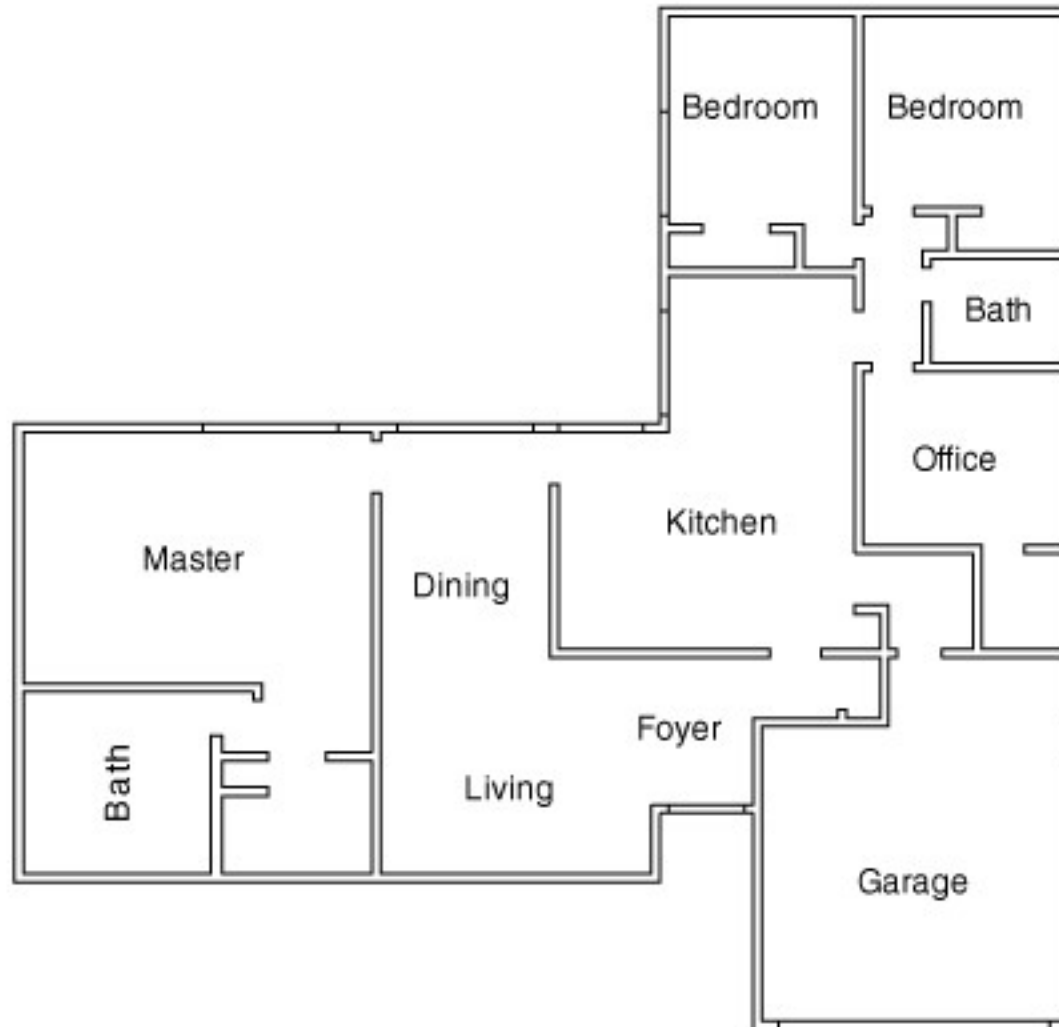


Story points

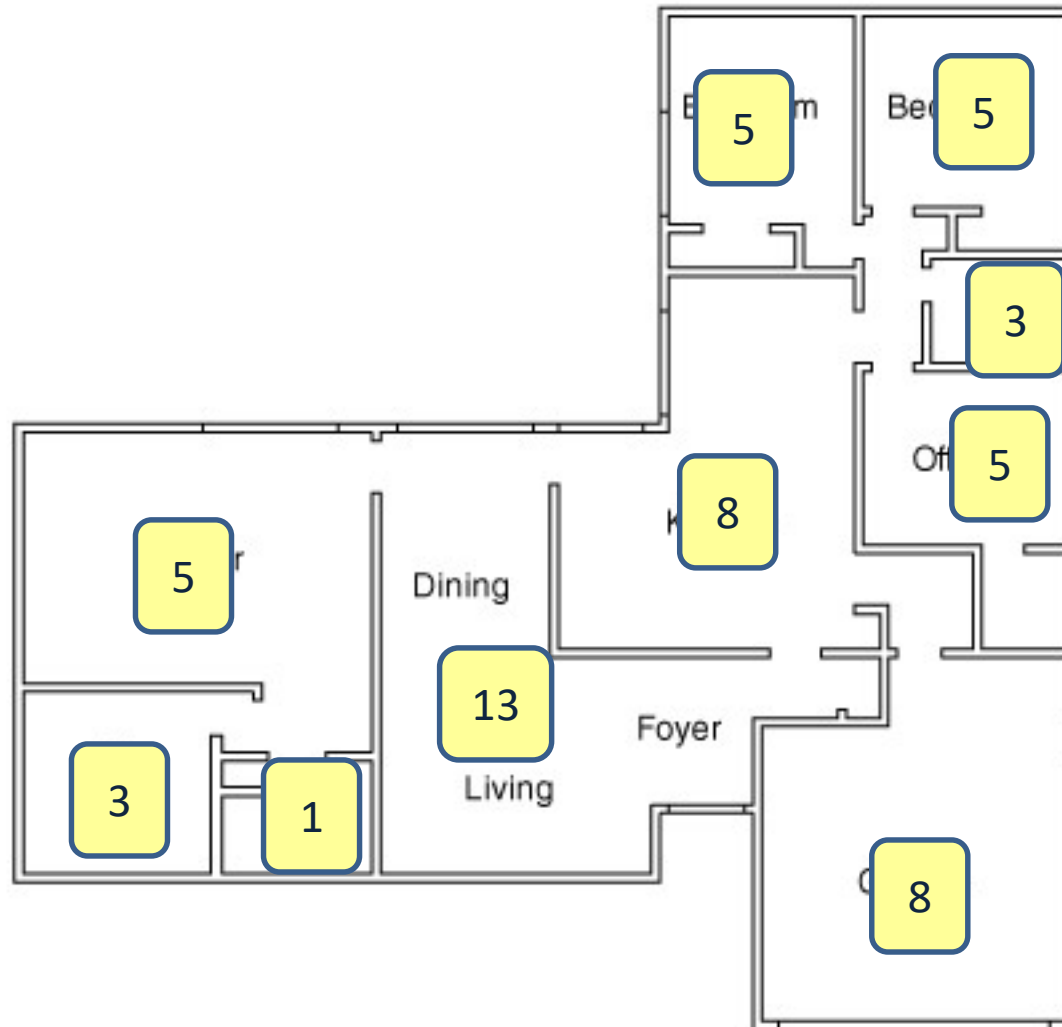


- Relative number
- Do not compare with hours
- How big is user story A compared to user story B

How long does it take to paint this house?



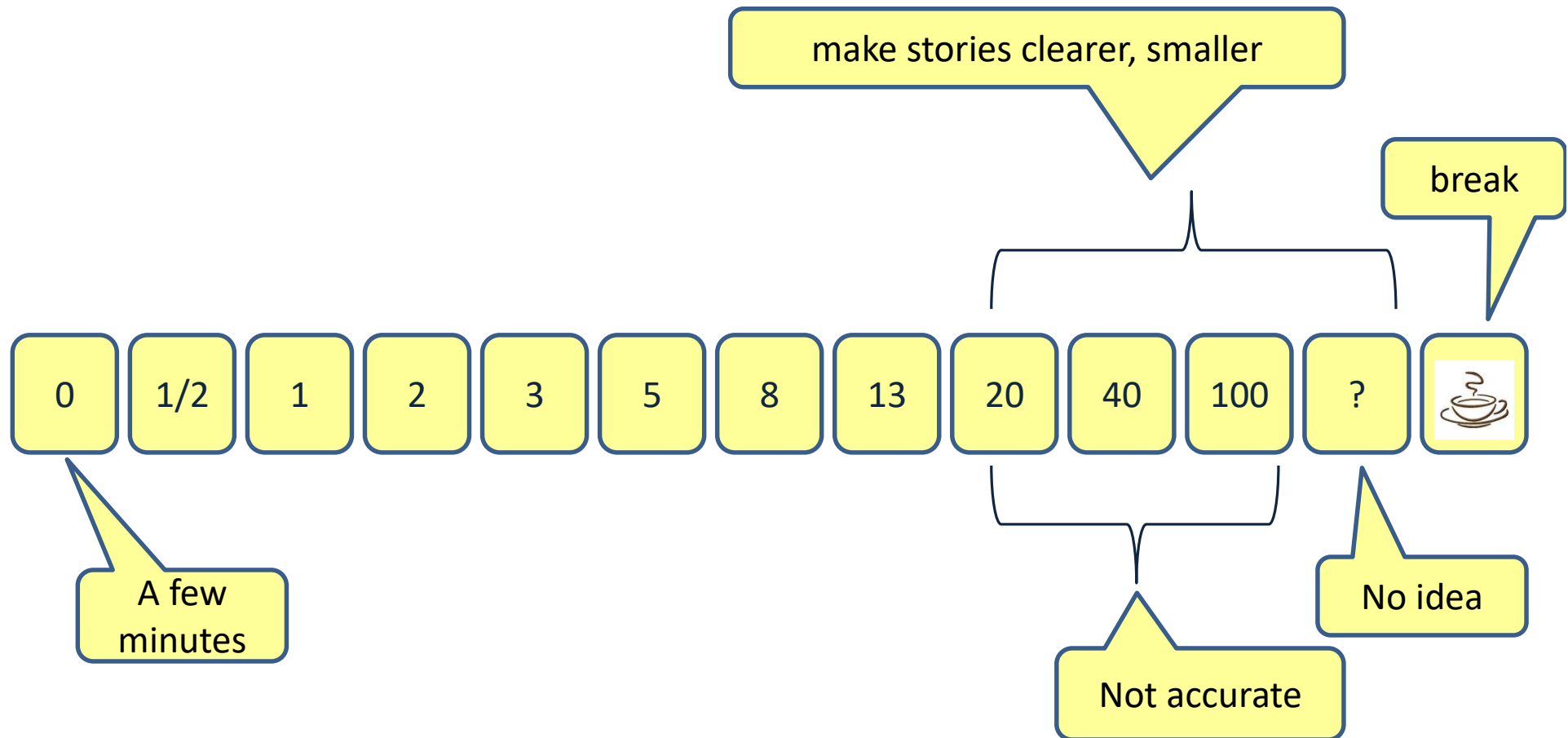
How long does it take to paint this house?



Estimating user stories

- The best estimations come from the people who do the work themselves
- Discussing estimations make them even better
- Average estimations make them more accurate
- Planning poker

Planning poker cards



Planning poker

Scrummaster



Product Owner



Moderator



User story: As a customer I want to reserve a room such that when I arrive the room is available.

•Which story are we going to estimate?



Planning poker

Scrummaster



Product Owner



answer

Moderator

- Discuss the user story with the product owner



question



question



Planning poker

Scrummaster



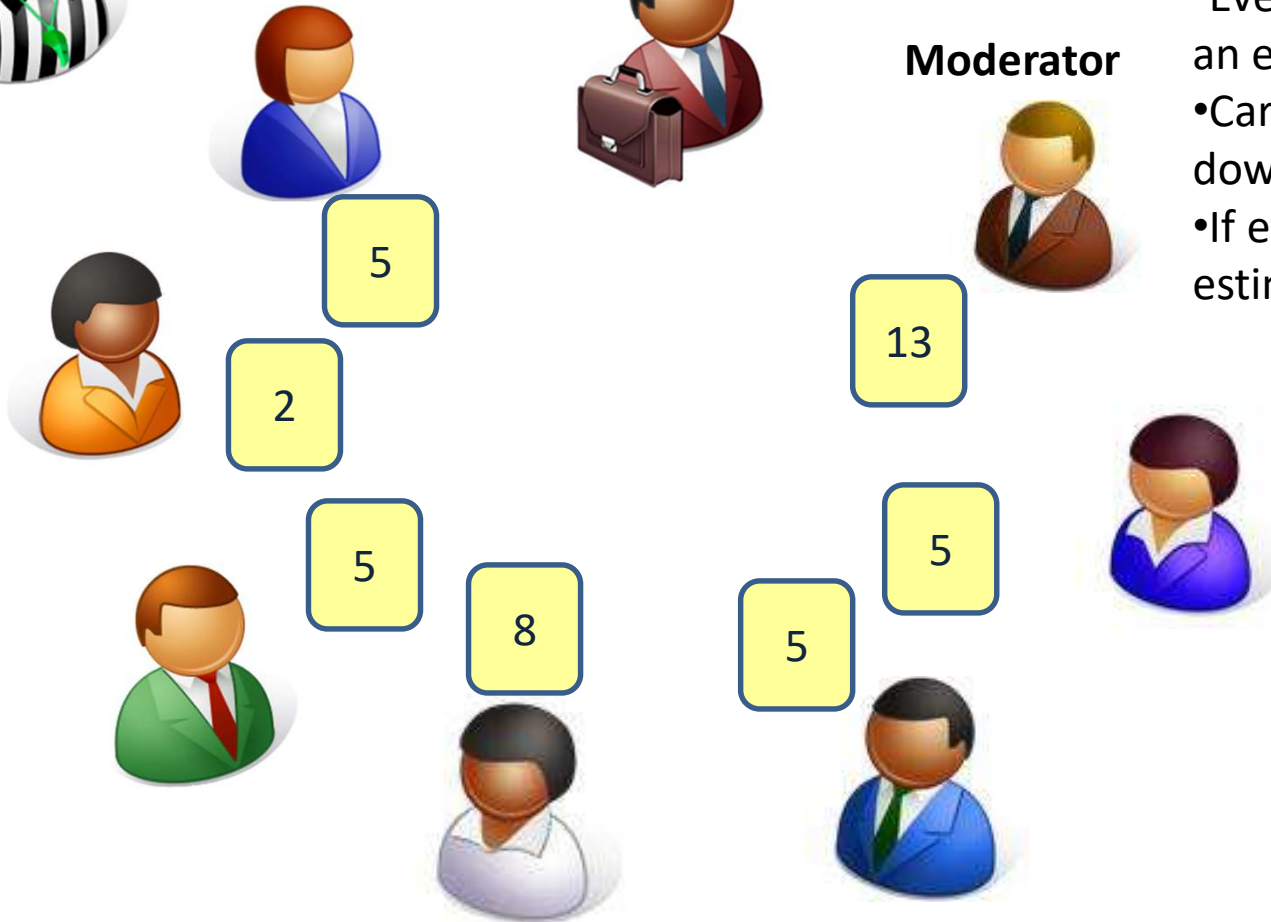
Product Owner



Moderator



- Every team-member does an estimation
- Cards are placed upsite down on the table
- If everyone made their estimate, turn the cards



Planning poker

Scrummaster



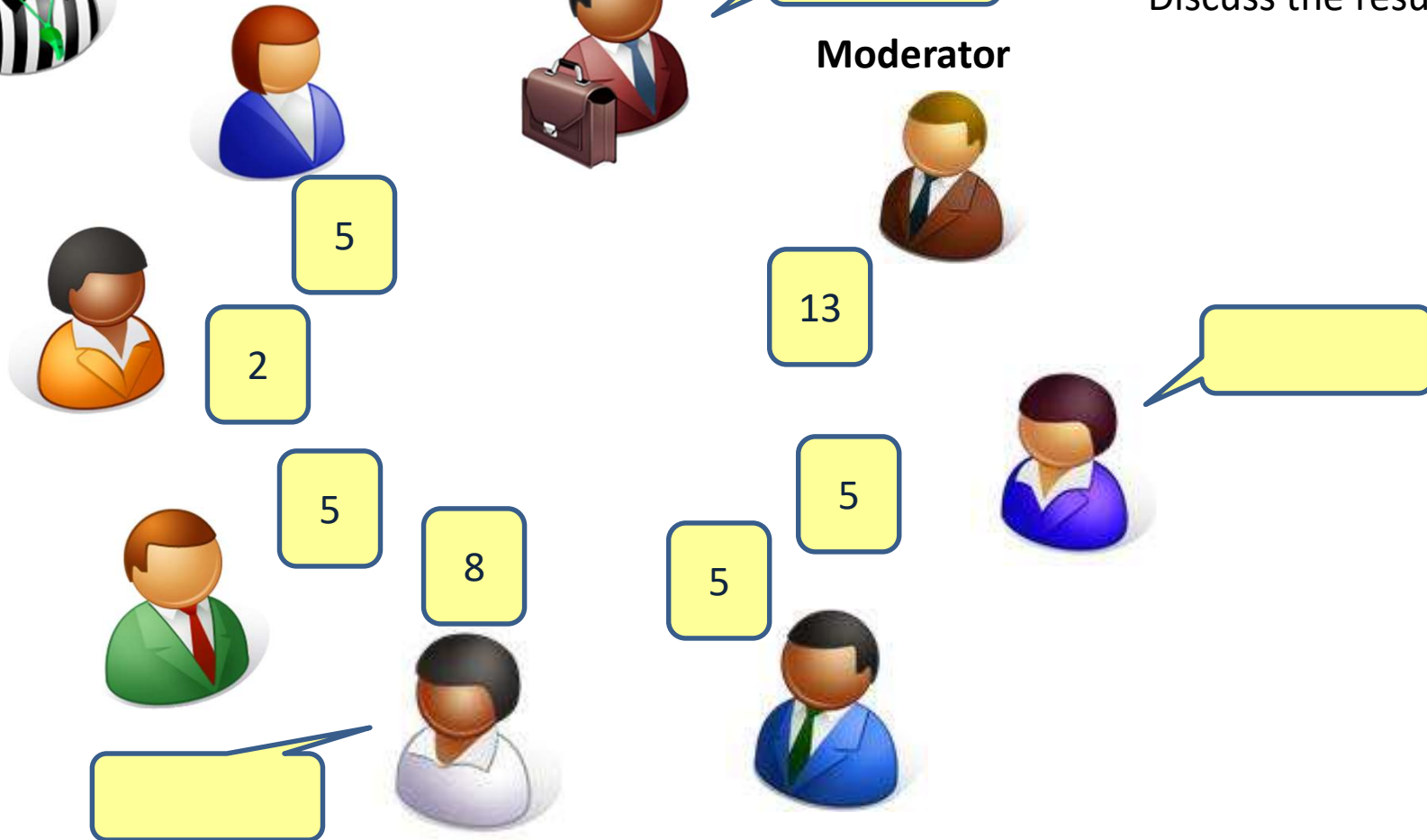
Product Owner



Moderator



•Discuss the result



Planning poker

Scrummaster



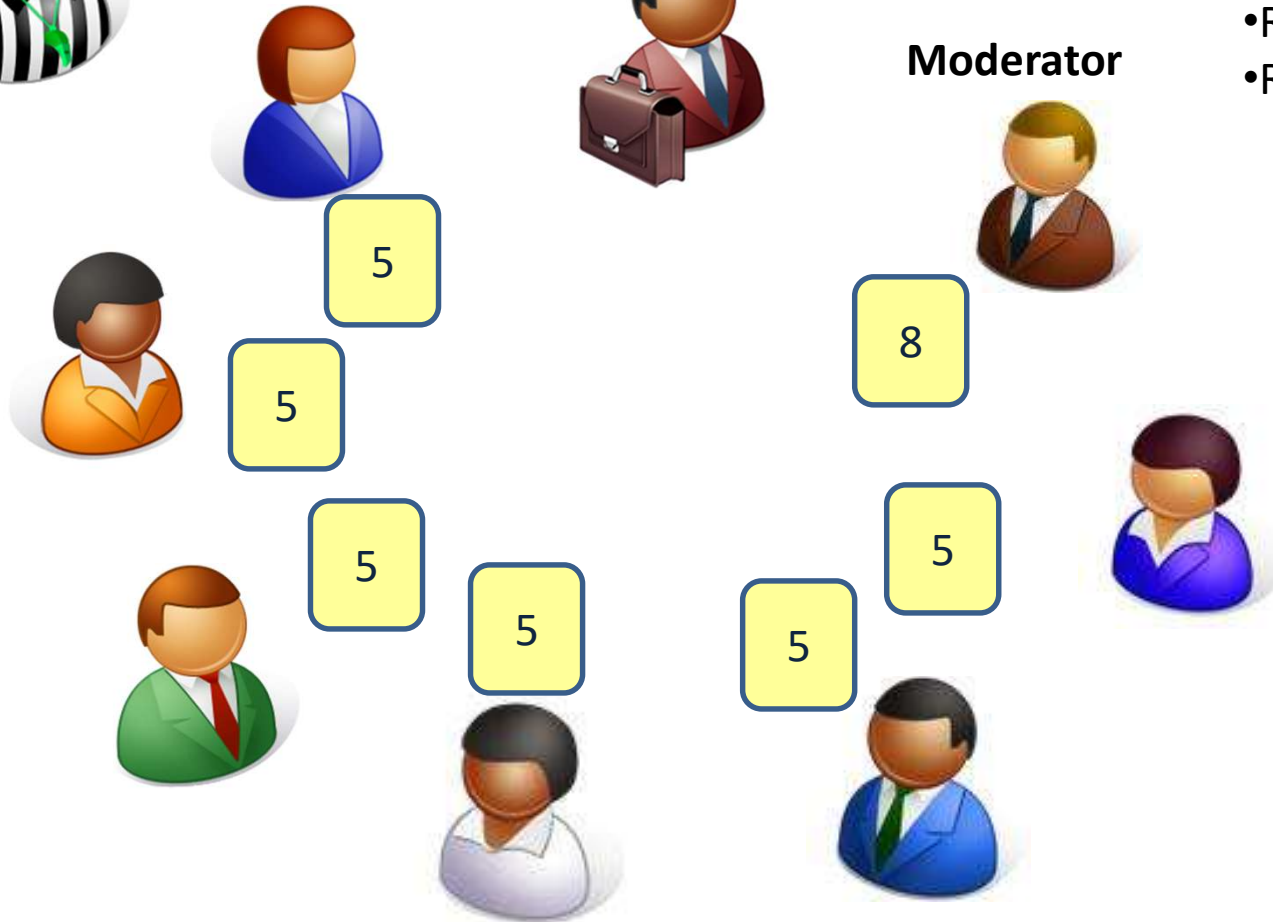
Product Owner



Moderator




- Estimate again
- Reach consensus
- Record the result



Advantage planning poker

- Team members who do the work also estimate their work
- Team members have to explain their estimates
- Individual estimates combined with group discussion results in better estimations.
- Relative estimations instead of absolute estimations
- Everybody's opinion is heard
- It is fast and fun

Result



User story	Estimation (story points)	Priority
Story 2	8	1
Story 1	5	2
Story 5	2	3
Story 6	1	4
Story 3	1	5
Story 4	3	6

Exercise

- Estimate the backlog with planning poker

