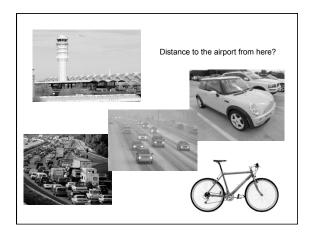
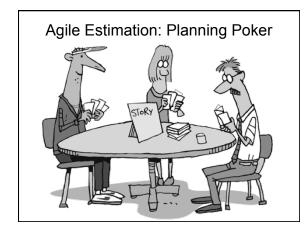
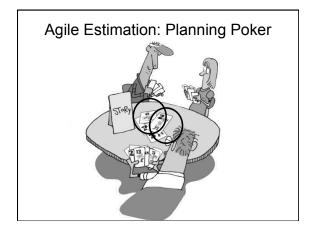
# Estimating the Work A Module in Agile Fundamentals Estimating the Effort

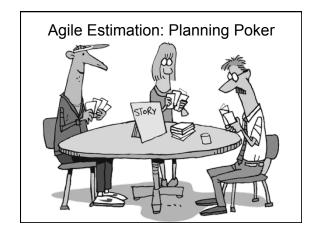
Estimating the Work

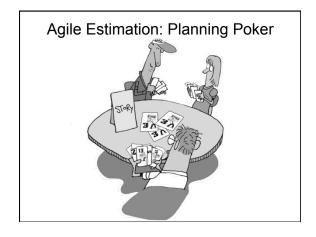


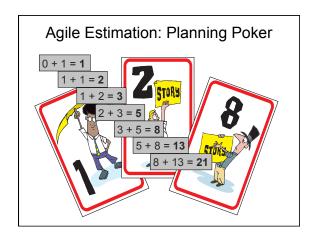


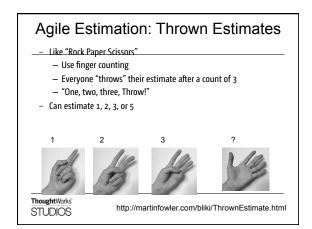


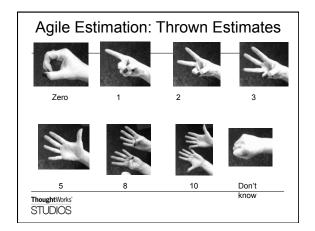












### Agile Estimation: Thrown Estimates

- 10 often means "too big" or "too many unknowns"
  - Discuss the unknowns
  - Individuals without much knowledge can abstain
  - Re-throw

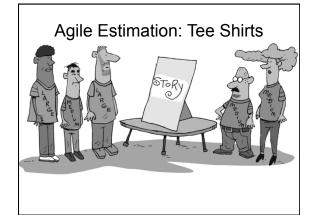


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### Agile Estimation: Thrown Estimates

- Discuss only if there is disagreement
- If everyone agrees, then there is no need to discuss
- Discuss the unknowns "Why do you think it's a..."
- Don't try to convince people to change
- Re-throw

ThoughtWorks STUDIOS



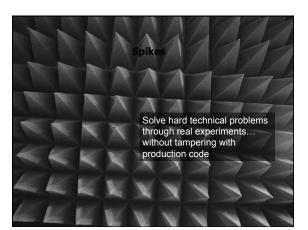
### **Relative Sizing Tips**

- All stories are sized relative to another
- Sort out the stories and find the smallest
- Size all other stories relative to that one.
- Twice as big, three times as big, etc

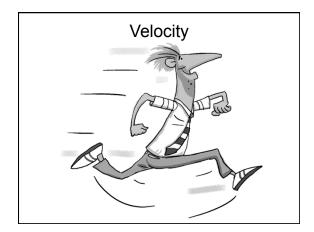
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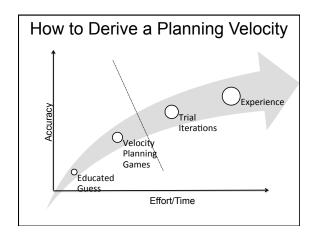
### Relative Sizing Stories

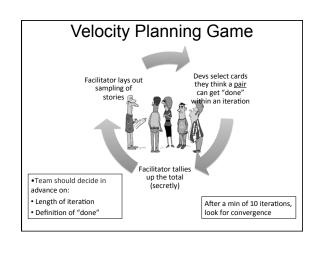
- Using the stories you wrote for your animal
- Size the stories relative to each based on....
- The effort it would take to develop this story
- Note any assumptions you are making
- It's the team getting it to "done"

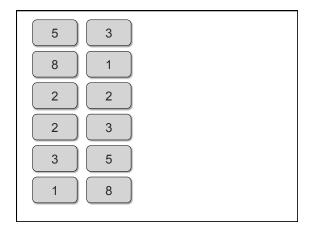


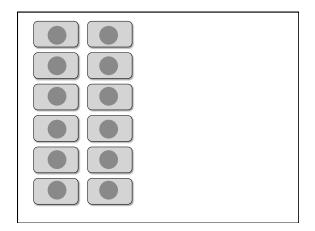
How much can we do?

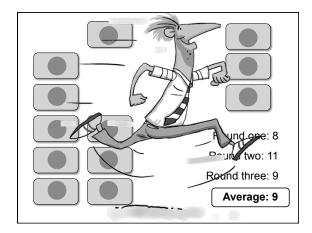












### Estimate your velocity

- Get back into your groups
- Use the estimates you developed a few minutes ago
- How many stories could you complete in a single iteration?

### How Many Pairs?

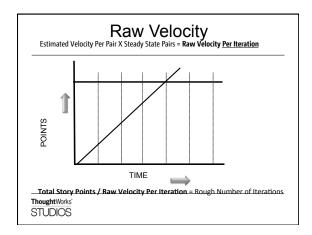
- Unfortunately this is often more art than science
- But, it will probably be influenced by:
  - Availability
  - How many different feature sets/subsystems there are
  - How many points in the total
  - Gut feel "too many cooks in the kitchen"



ThoughtWorks' STUDIOS

## How long?

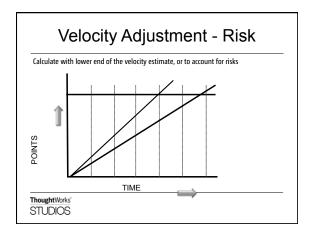
## How many iterations? Story Point Estimates User Stories Story Point Estimates Line Story Points / Estimated Iteration Velocity (Points per iteration)

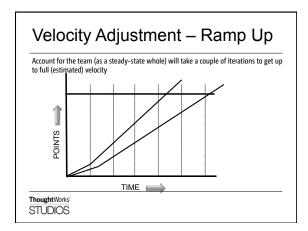


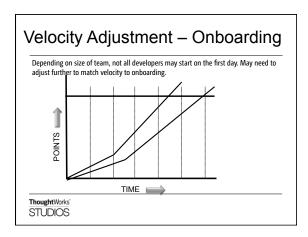
Estimating the Work

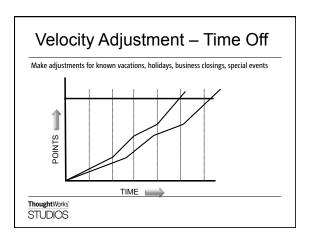


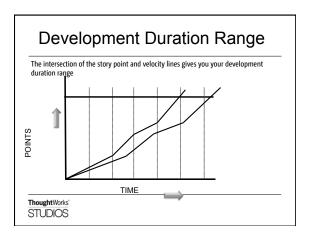
- Use the story estimates and estimated velocity you developed a few minutes ago
- How many iterations will it take you to complete your creature?

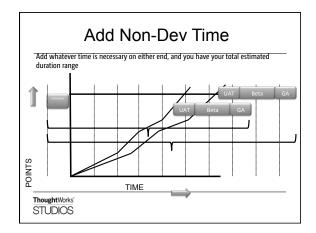












Questions?