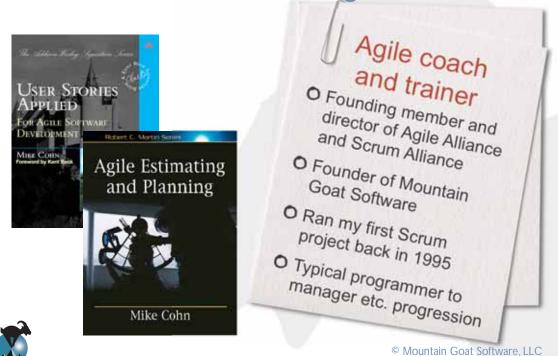
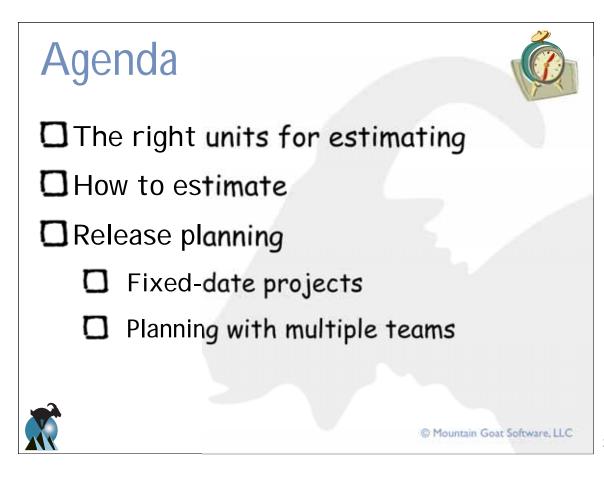


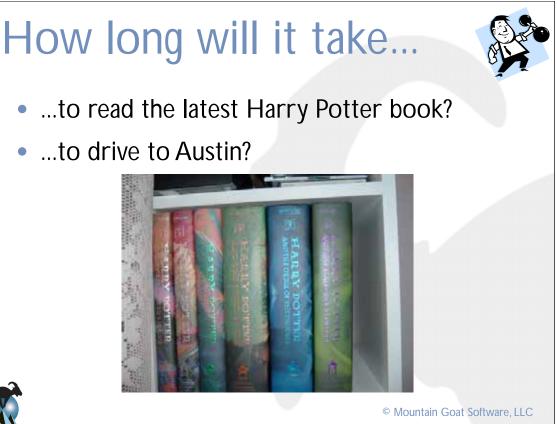
Mike Cohn February 28, 2008

Mike Cohn - background

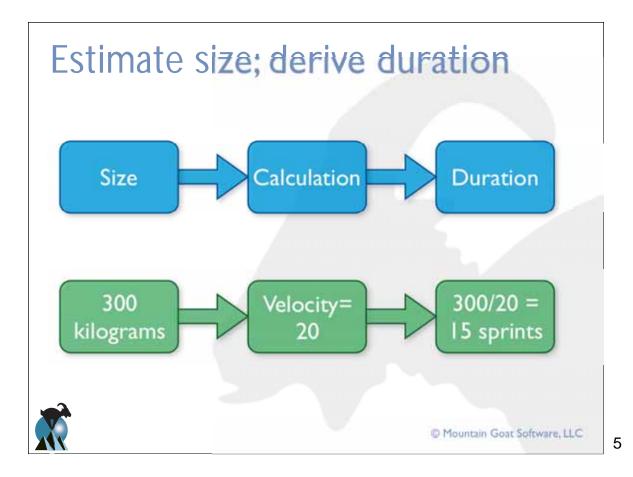


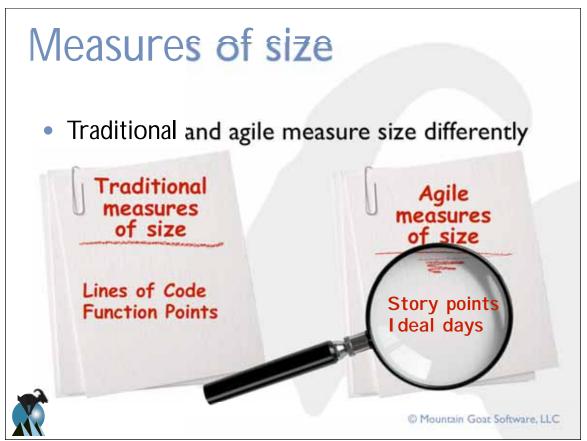
2











Ideal time

- How long something would take if
 - it's all you worked on
 - you had no interruptions
 - and everything you need is available
- The ideal time of a football game is 60 minutes
 - Four 15-minute quarters
- The elapsed time is much longer (3+ hours)



Story points

- The "bigness" of a task
- Influenced by
 - How hard it is
 - How much of it there is
- Relative values are what is important:
 - A login screen is a 2.
 - A search feature is an 8.
- Points are unit-less



7

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As a user, I want to be

all items in my cart gift

wrapped.

5

able to have some but not

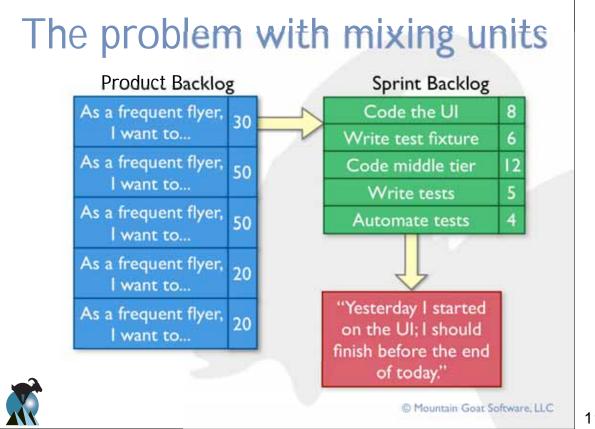




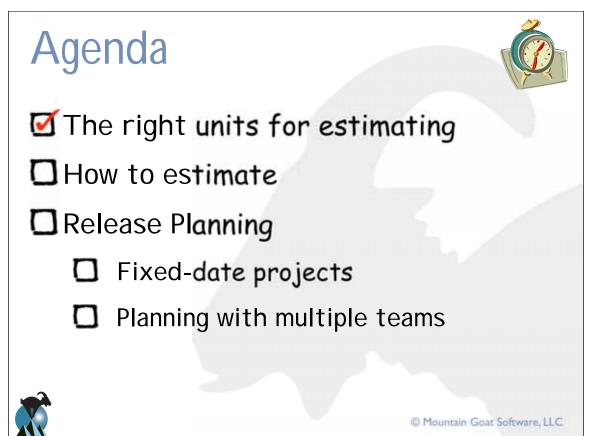
Comparing the approaches

- Story points help drive cross-functional behavior
- Story point estimates do not decay
- Story points are a pure measure of size
- Estimating in story points is typically faster
- My ideal days cannot be added to your ideal days
- Ideal days are easier to explain outside the team
- Ideal days are easier to estimate at first
- Ideal days can force companies to confront time wasting activities

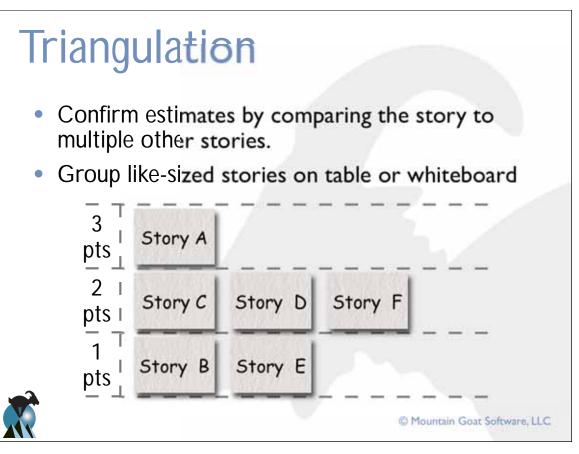


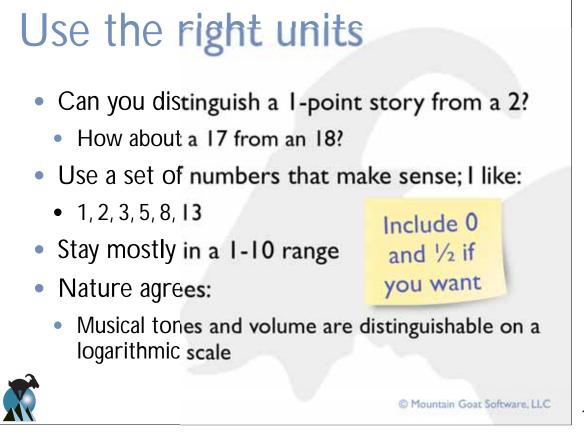










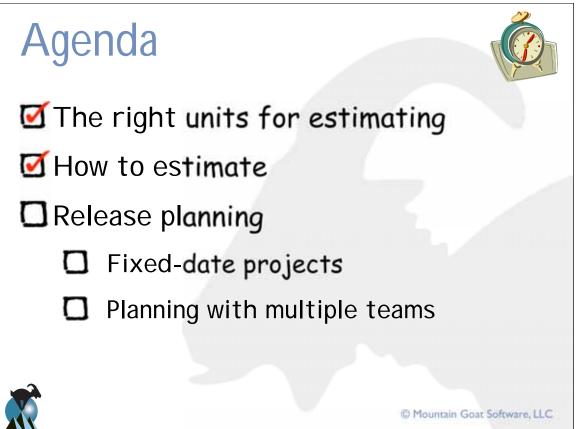


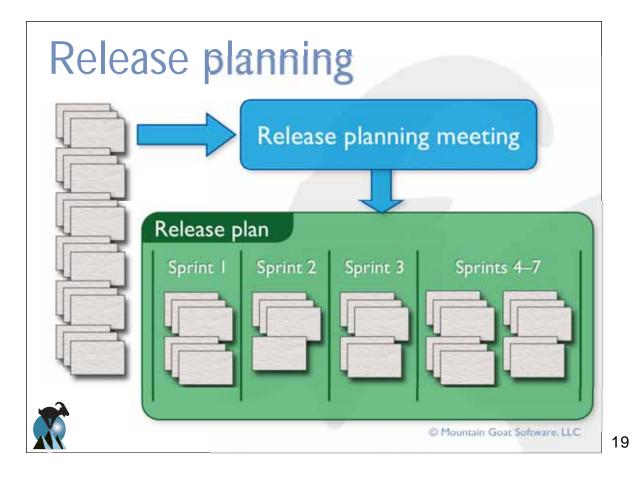
Planning poker

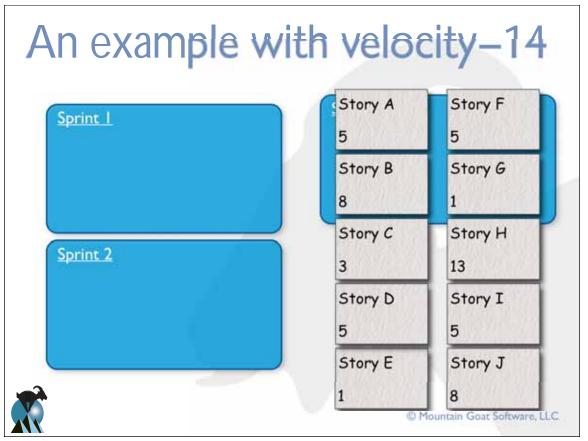
- An iterative approach to estimating
- Steps
 - Each estimator is given a deck of cards, each card has a valid estimate written on it
 - Customer/Product owner reads a story and it's discussed briefly
 - Each estimator selects a card that's his or her estimate
 - Cards are turned over so all can see them
 - Discuss differences (especially outliers)
 - Re-estimate until estimates converge

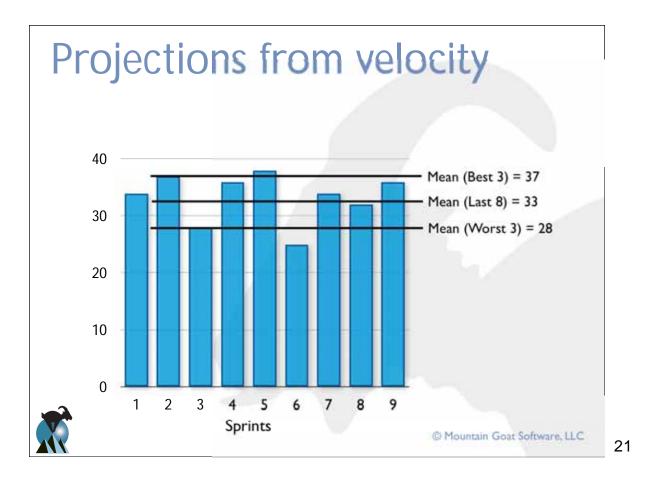


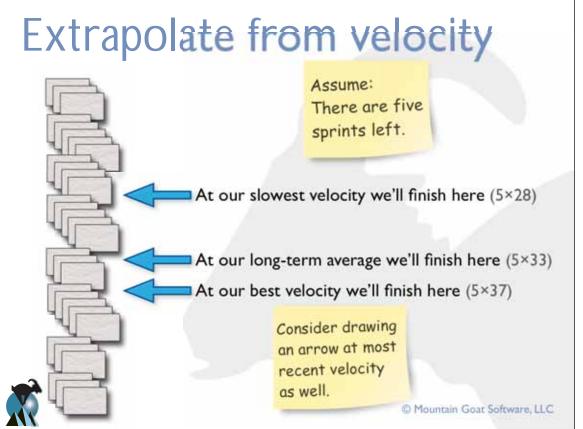
Planning pe	oker - al 20	i exam	ple
	Estimator	Round I	Round 2
	Susan	3	5
	Vadim	8	5
	Ann	2	5
*	Chris	5	8
		© M	Iountain Goat Software, LLC

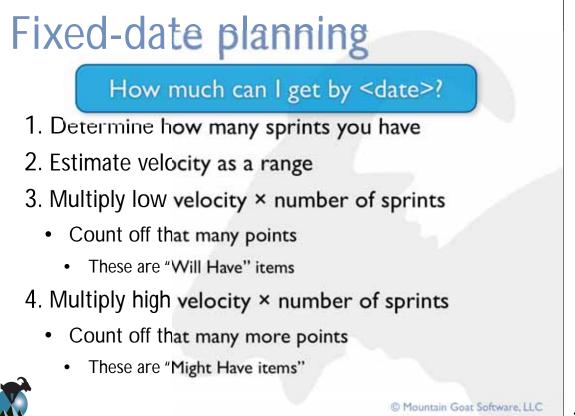












Fixed-date planning: an example

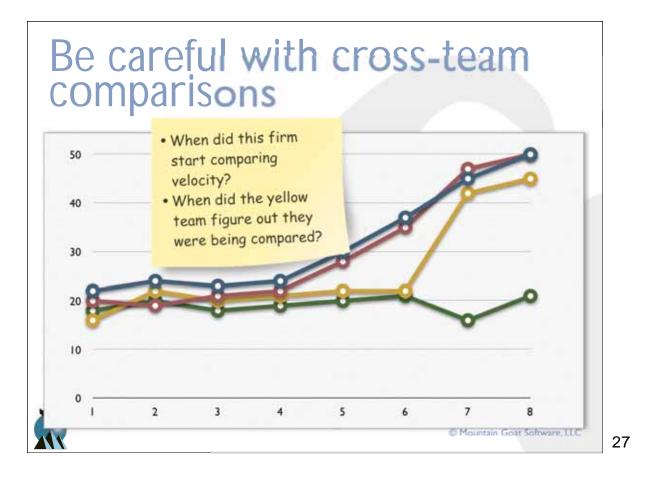
30 June	
l January	Will have
6 (monthly)	6×15 Might have
15	6×20
20	Won't have
	I January 6 (monthly) I 5

Planning with multiple	eteams
1 Estimating in a common unit	
2 Sprint planning	
3 Dependencies	
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Establish a common baseline

- All teams should agree on story points or ideal days
- Establish a common baseline
 - Select a dozen or so user stories that were done recently or are on the product backlog
 - Estimate them en masse with Planning Poker



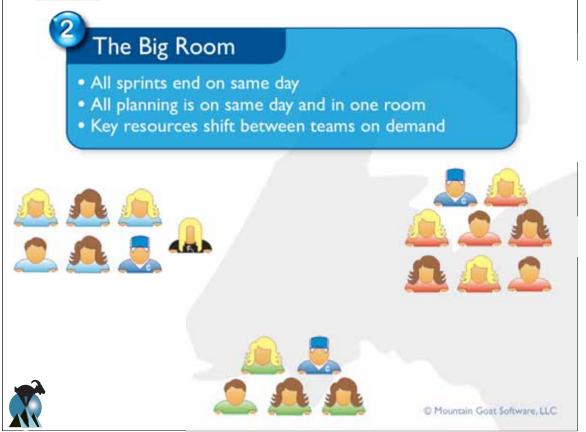


Two approaches to sprint planning

Stagger By a Day

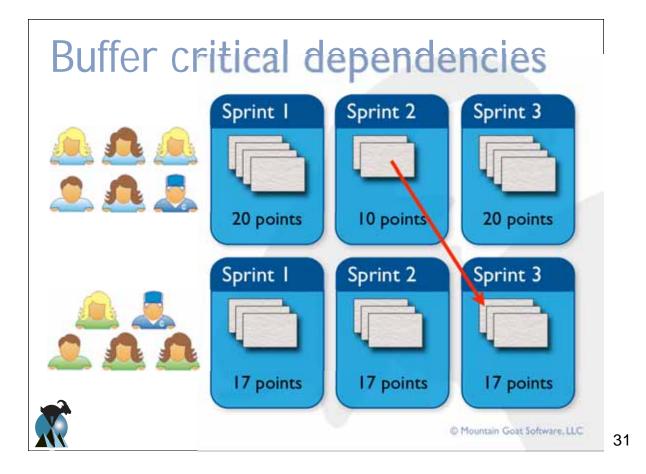
- Sprints end by ± a day
- Helps a key resource (e.g., a product owner or architect) fully participate in many planning meetings





Dependencies Oritical dependencies between teams Must be done in this order and likely to influence overall ship date Fewer of these than you may think Emergent dependencies "OK, we're going to start on such-and-such soon. As you know we need this-and-that first."

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Rolling lookahead planning

			Tasks	Est
		~	Code the	8
		Sprint 1	Test the	16
		pri 🔰	Integrate with the	8
	🦾 🤷 🦾 /	S	Code the	12
			Design the	8
	Sprint 2		Sprint 3	
2				n Goat Software

