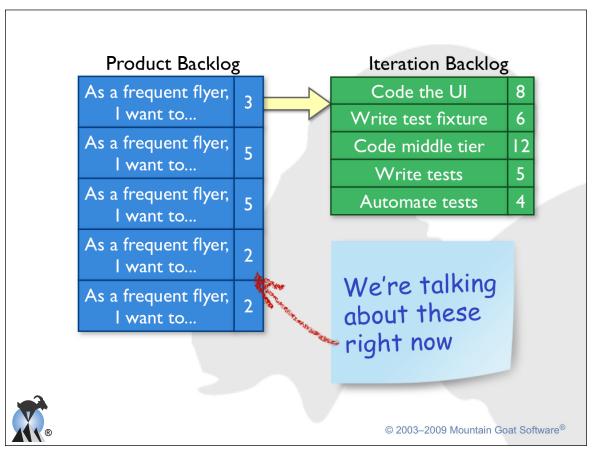


#### Agenda

- Product backlog estimation units
  - Story points
  - Ideal time
- Estimating with Planning Poker®







# How long will it take...



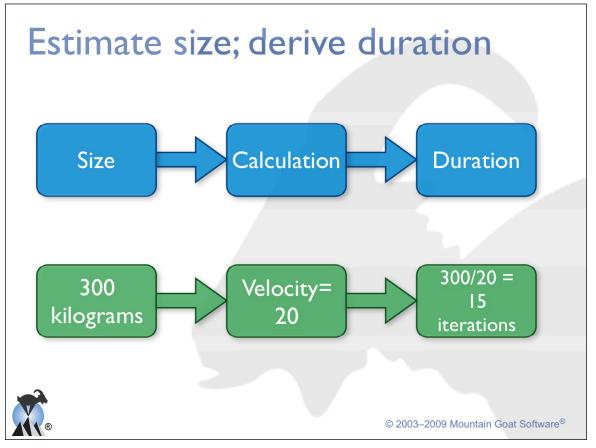
 Suppose I asked you how long it would take to read the last Harry Potter book?





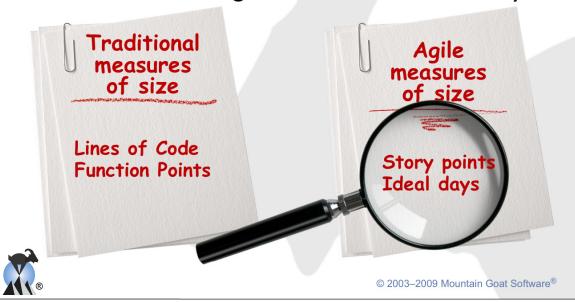
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#### Measures of size

Traditional and agile measure size differently



## Story points

- The "bigness" of a task
- Influenced by
  - How hard it is
  - How much there is
- Relative values are what is important:
  - A login screen is a 2.
  - A search feature is an 8.
- Points are unit-less
- Basic math properties should hold, e.g., 5+5 = 10

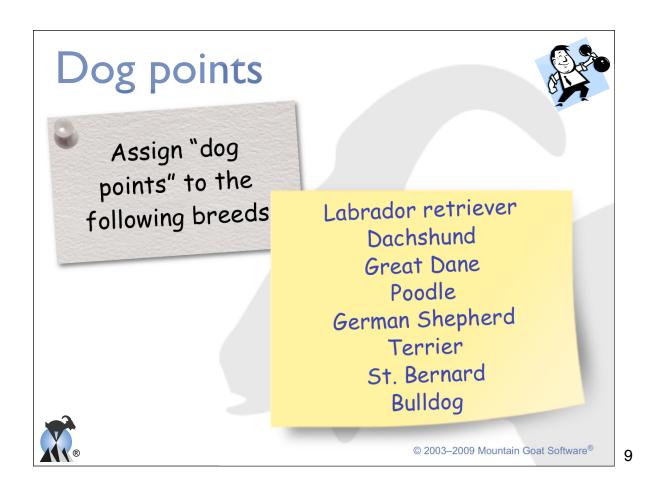


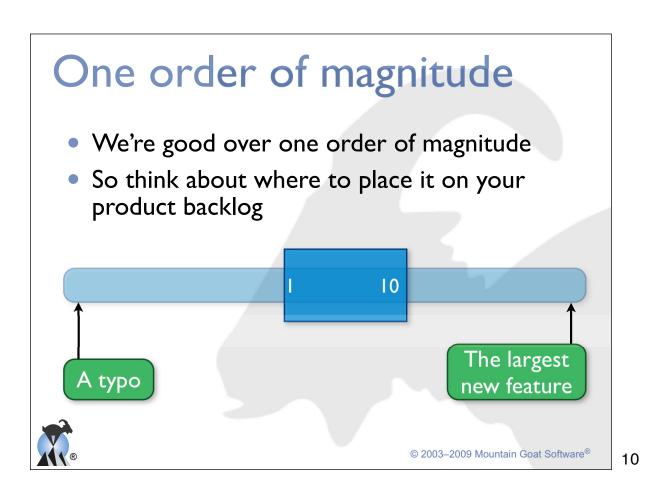
As a user, I want to

have some but not all

items in my cart gift

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#### 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 Cowboys game is 60 minutes
- The elapsed time is much longer



# Ideal time vs. elapsed time

- It's easier to estimate in ideal time
- It's too hard to estimate directly in elapsed time
  - Need to consider all the factors that affect elapsed time at the same time you're estimating



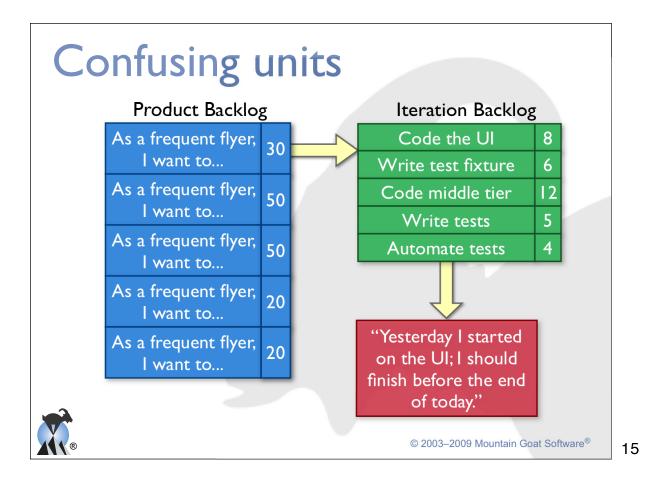
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# Two big advantages to story points

- Story points are additive; time-based estimates may not be
  - Story points help avoid problems with unit confusion







### 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



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#### Planning poker - an example

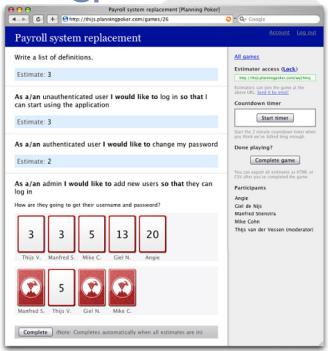


Estimator	Round I	Round 2
Susan	3	5
Vadim	8	5
Ann	2	5
Chris	5	8



Product backlog item	Estimate
Read a high-level, 10-page overview of Scrum in <i>People</i> magazine.	
Read a densely written 5-page research paper about Scru in an academic journal.	
Write the product backlog for a simple eCommerce site that sells only clocks.	
Recruit, interview, and hire a new member for your team.	
Create a 60-minute presentation to give here next month.	
Wash and wax your boss' Porsche.	
Read a 150-page book on agile software development.	
Write an 5-page description of Scrum for your boss.	

www.planningpoker.com



Free, or I wouldn't mention it 19

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# Upcoming classes in Dallas

Date	What
I-2 February	Certified ScrumMaster
3–4 February	Certified Scrum Product Owner

Information and registration at www.mountaingoatsoftware.com

Also classes in San Jose and Boulder in early 2010



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