

Introduction to Scrum

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**Certified Scrum Training and
Consulting in India and Asia**

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The Problems Many Companies Face

- Time-to-market for products is too long
- Project failure rate is unacceptably high
- ROI delivered frequently falls short
- Responding to change is difficult and costly
- Customer orientation is weak
- Software quality is poor
- Productivity could be higher
- Employee morale, drive and accountability is low
- Widespread micromanagement is required
- Employee turnover rates are too high

Many Companies Starting to Use Scrum to Achieve Success

- They are finding Scrum an effective tool for addressing these problems
- Rapid growth in last 3-5 years at leading global companies, including:
 - Google
 - IBM
 - Siemens
 - Nokia
 - Philips
 - Accenture
 - Microsoft
 - Infosys
 - Wipro
 - Motorola
 - Yahoo!
 - TCS

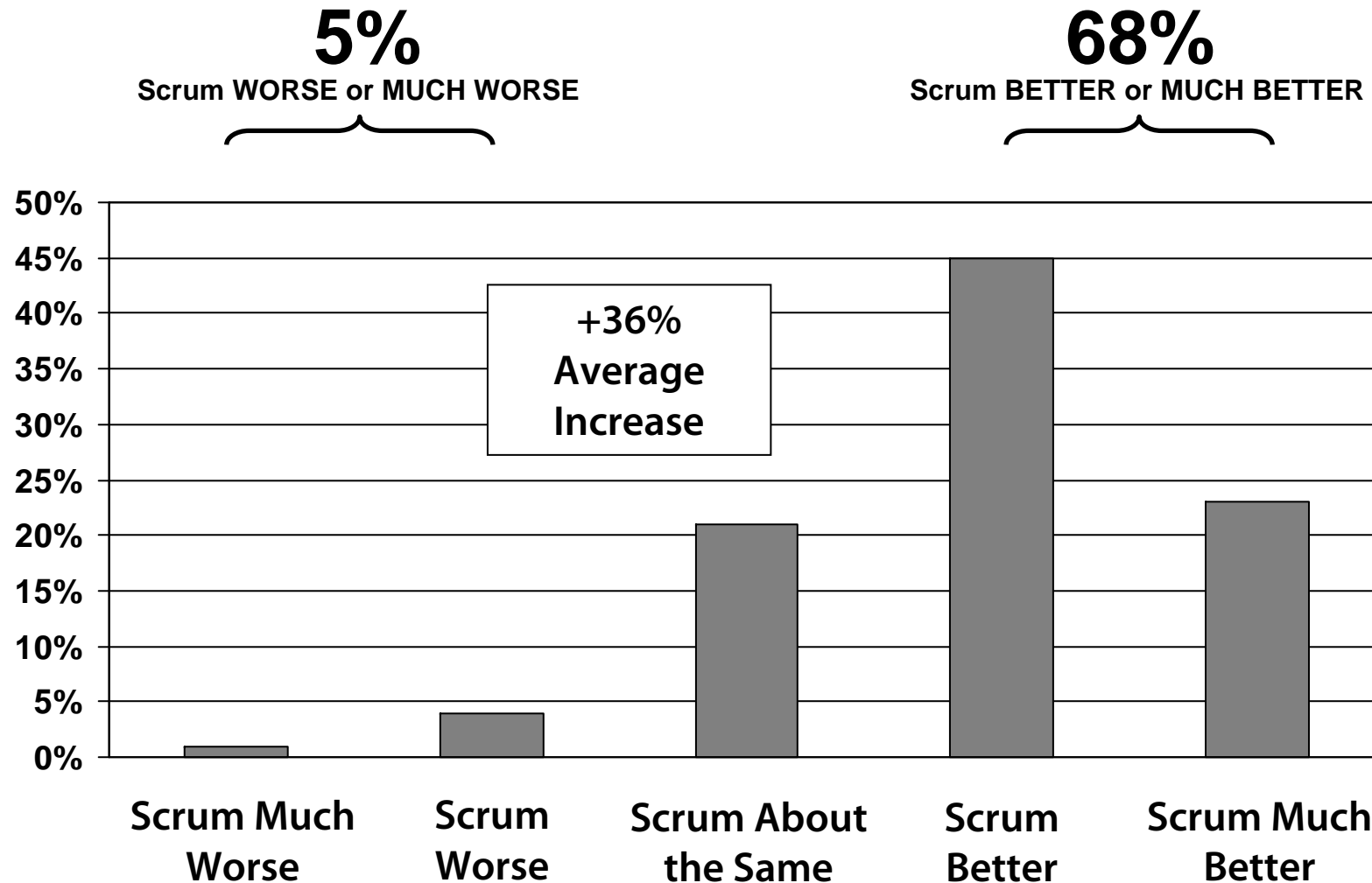
What Is Scrum Being Used For?

- Large-scale enterprise software projects
- Consumer software products
- US FDA-approved software for X-Rays, MRIs
- High availability systems (99.9999% uptime)
- Financial payment applications
- Large database applications
- Embedded systems
- CMMi Level 5 organizations
- Multi-location development
- Sustaining and Maintenance Projects
- Non-software projects

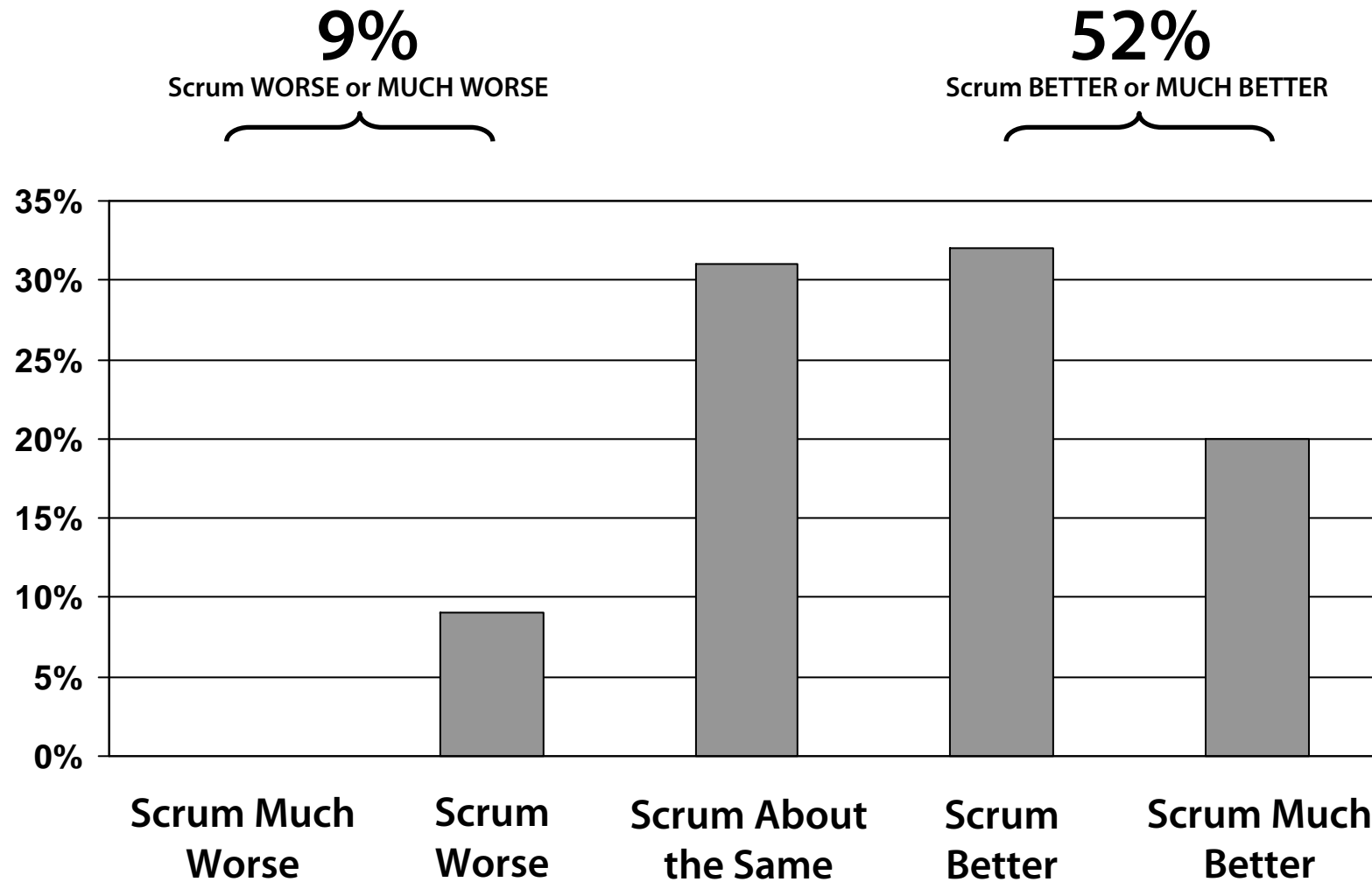
Scrum at Yahoo!

- **Yahoo! has over 200 teams (>2000 people) around the globe using Scrum**
 - User-facing projects
 - Major infrastructure projects
 - Distributed Projects
 - New Products
 - Maintenance Projects
- **Survey data was gathered 18 months after adoption began**
 - Reflects first 80 teams
 - Anonymous responses
 - 84% response rate

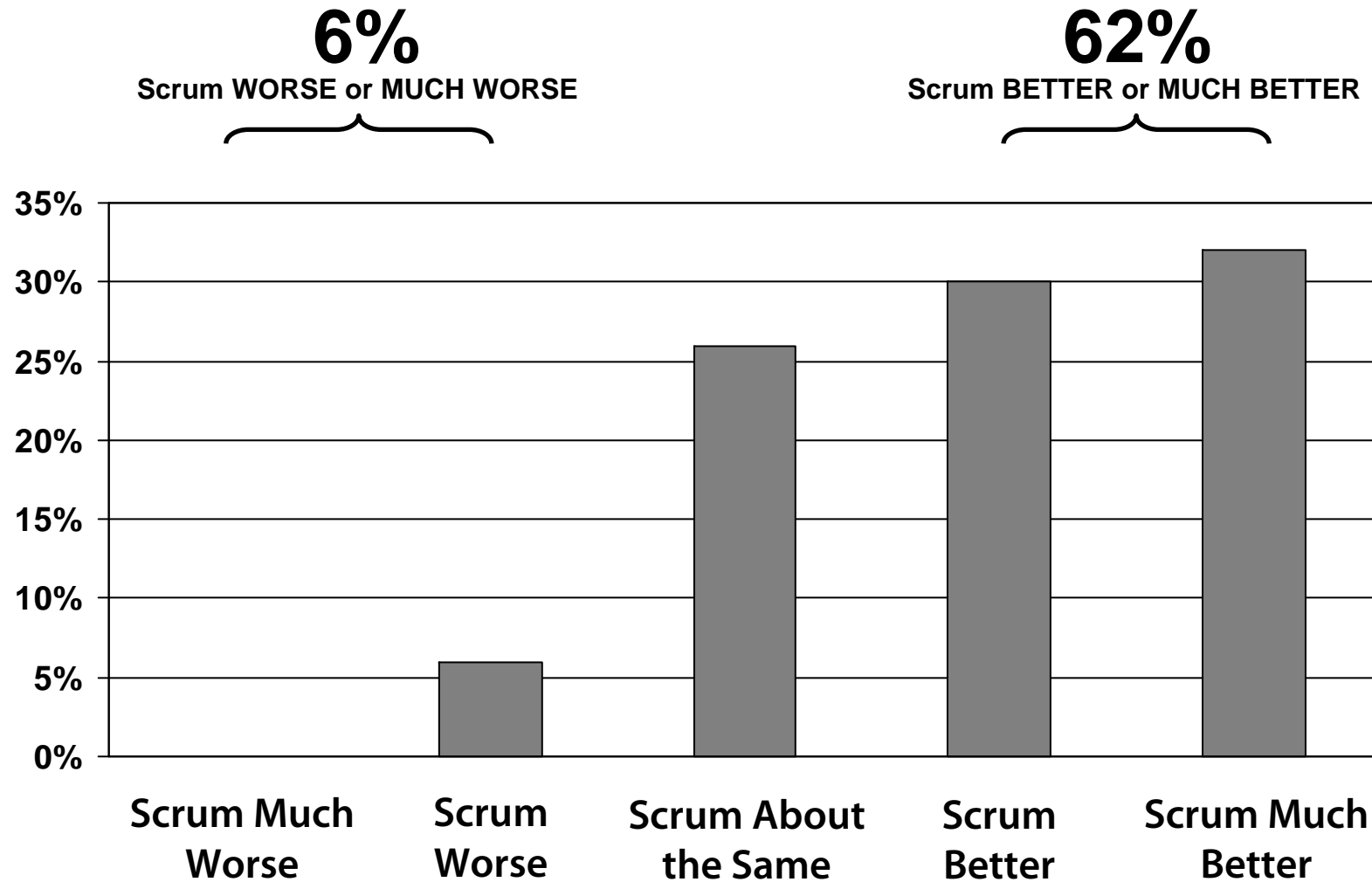
Scrum vs. Previous Approach: Productivity / How much team got done?



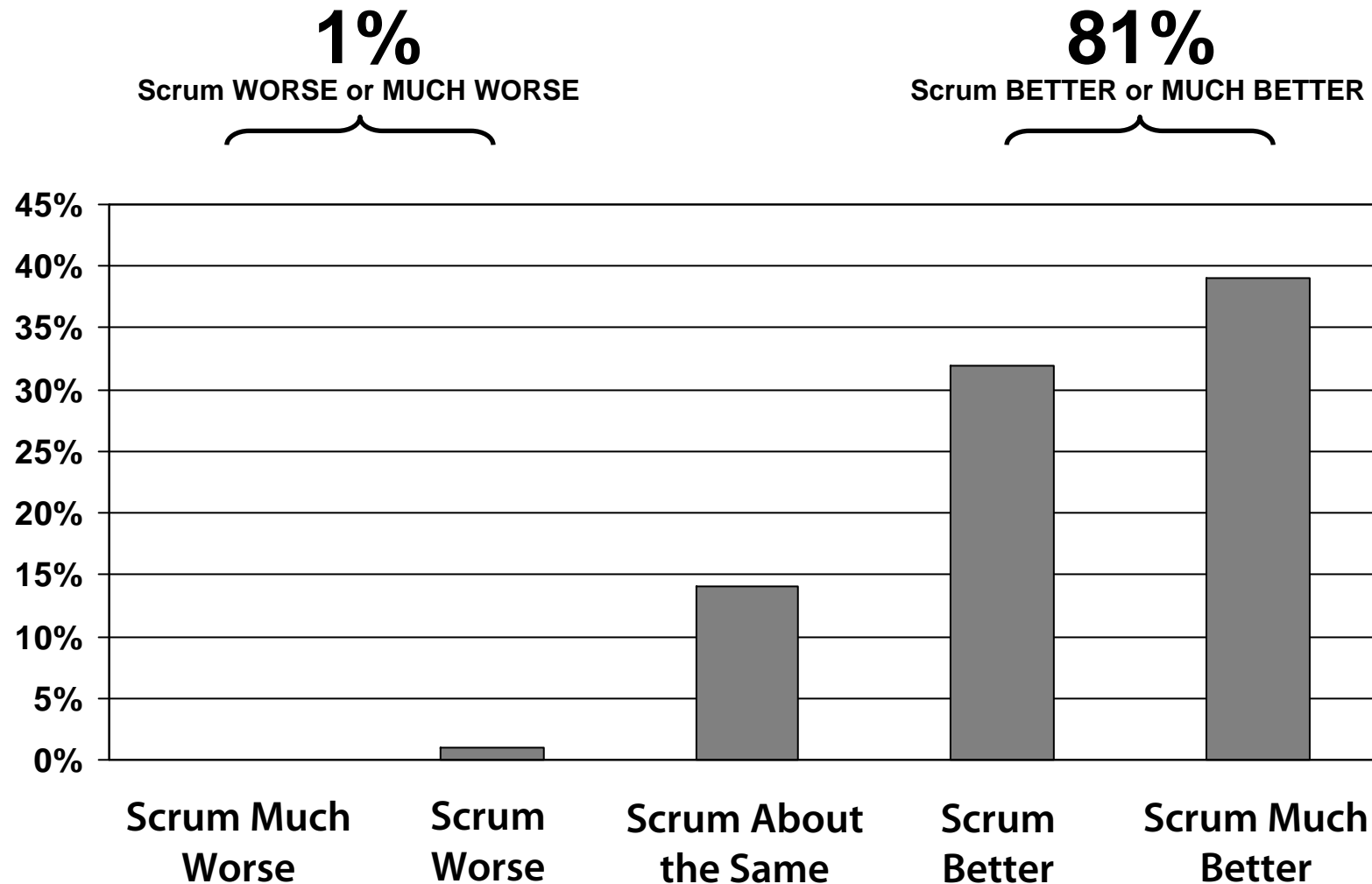
Scrum vs. Previous Approach: Morale?



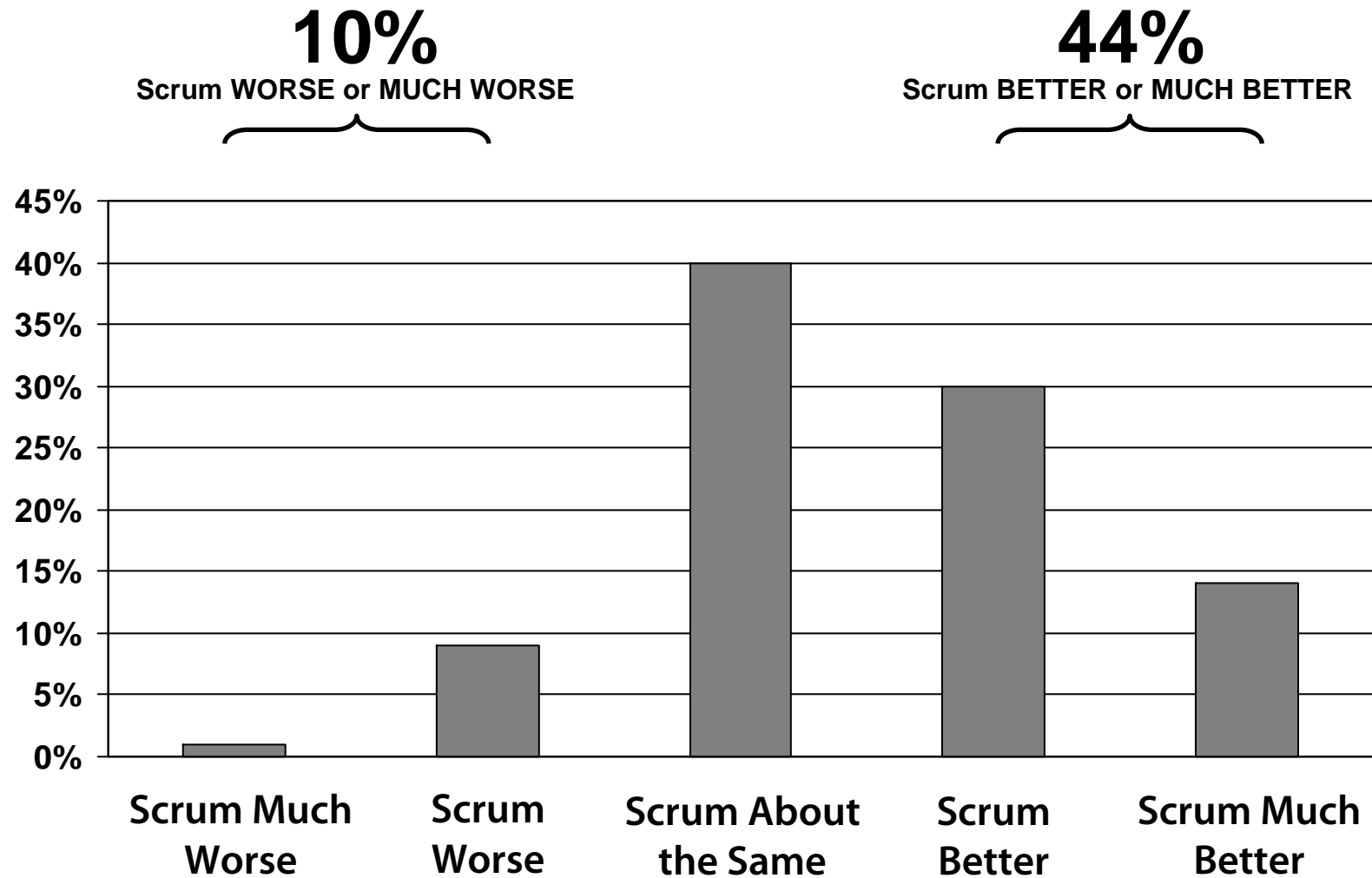
Scrum vs. Previous Approach: Sense of accountability/ownership in project?



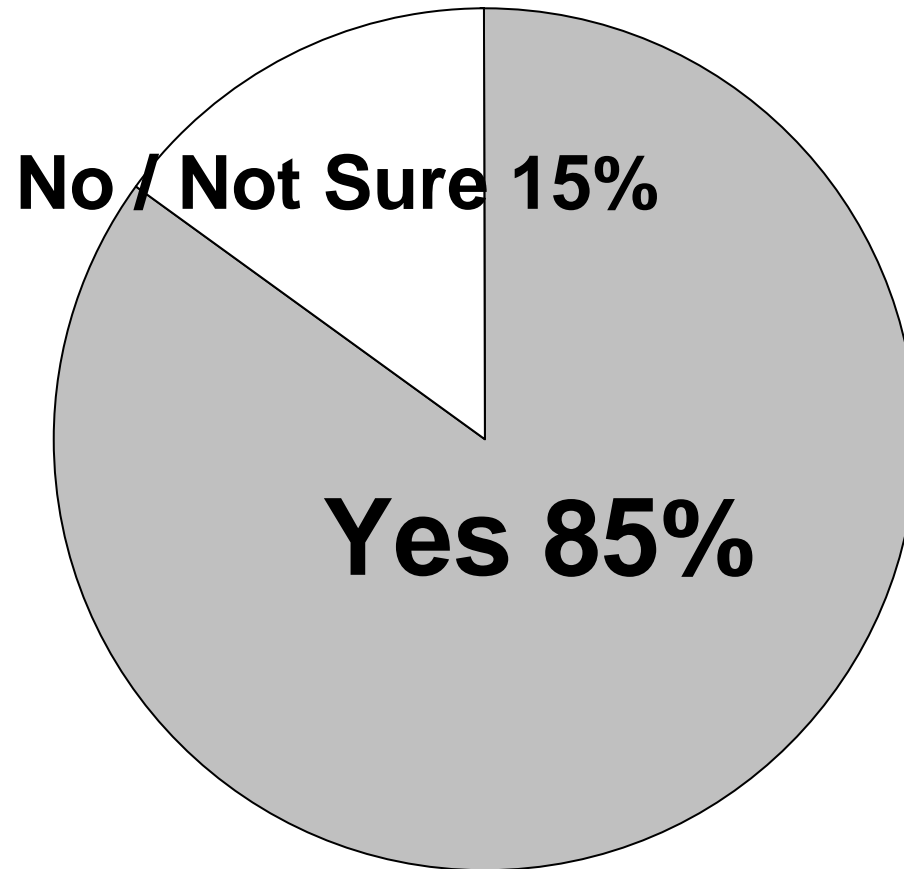
Scrum vs. Previous Approach: Collaboration and cooperation in the team?



Scrum vs. Previous Approach: Overall quality of what was developed?



If the decision were solely up to you, would your team continue using Scrum?



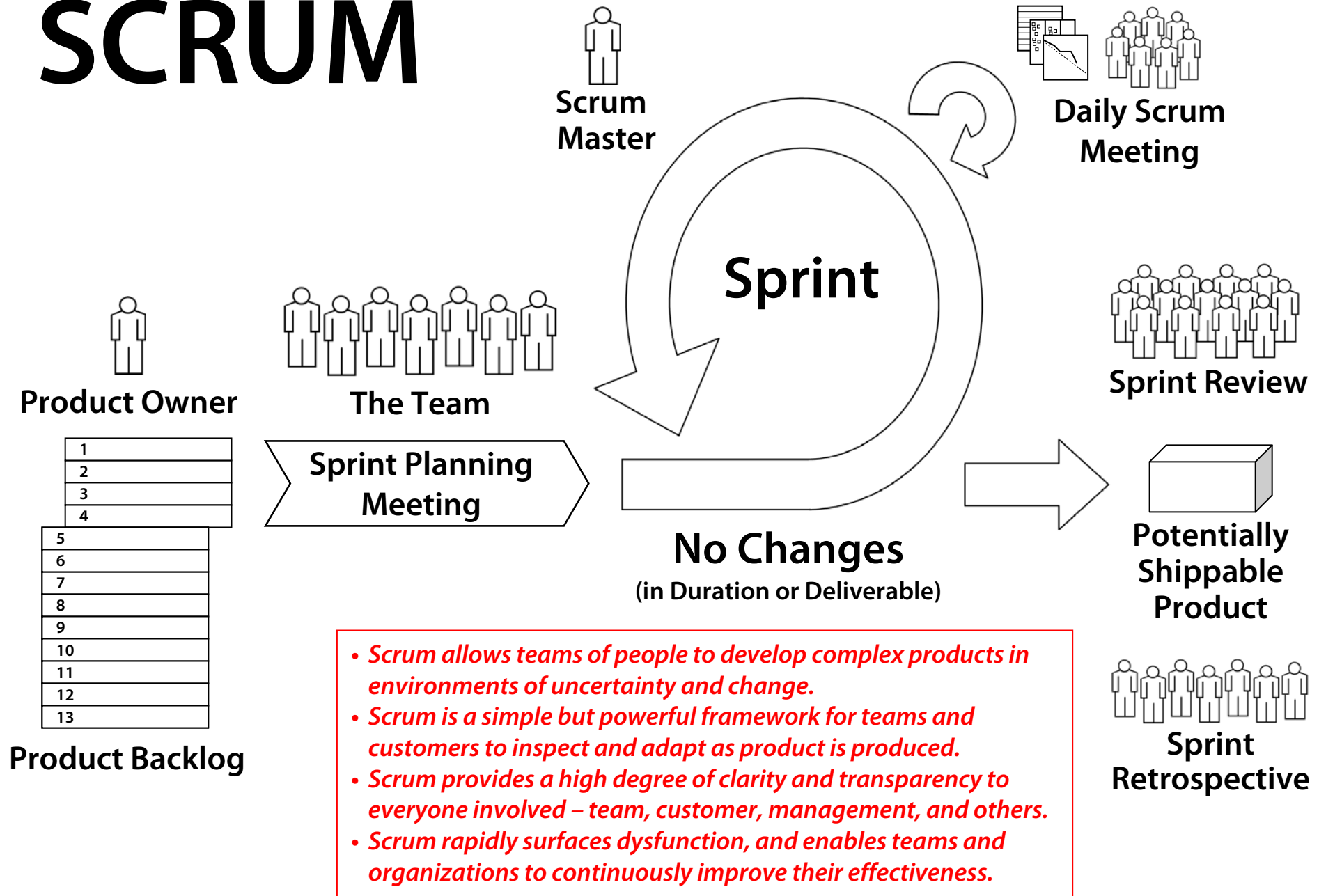
The Basics of Scrum

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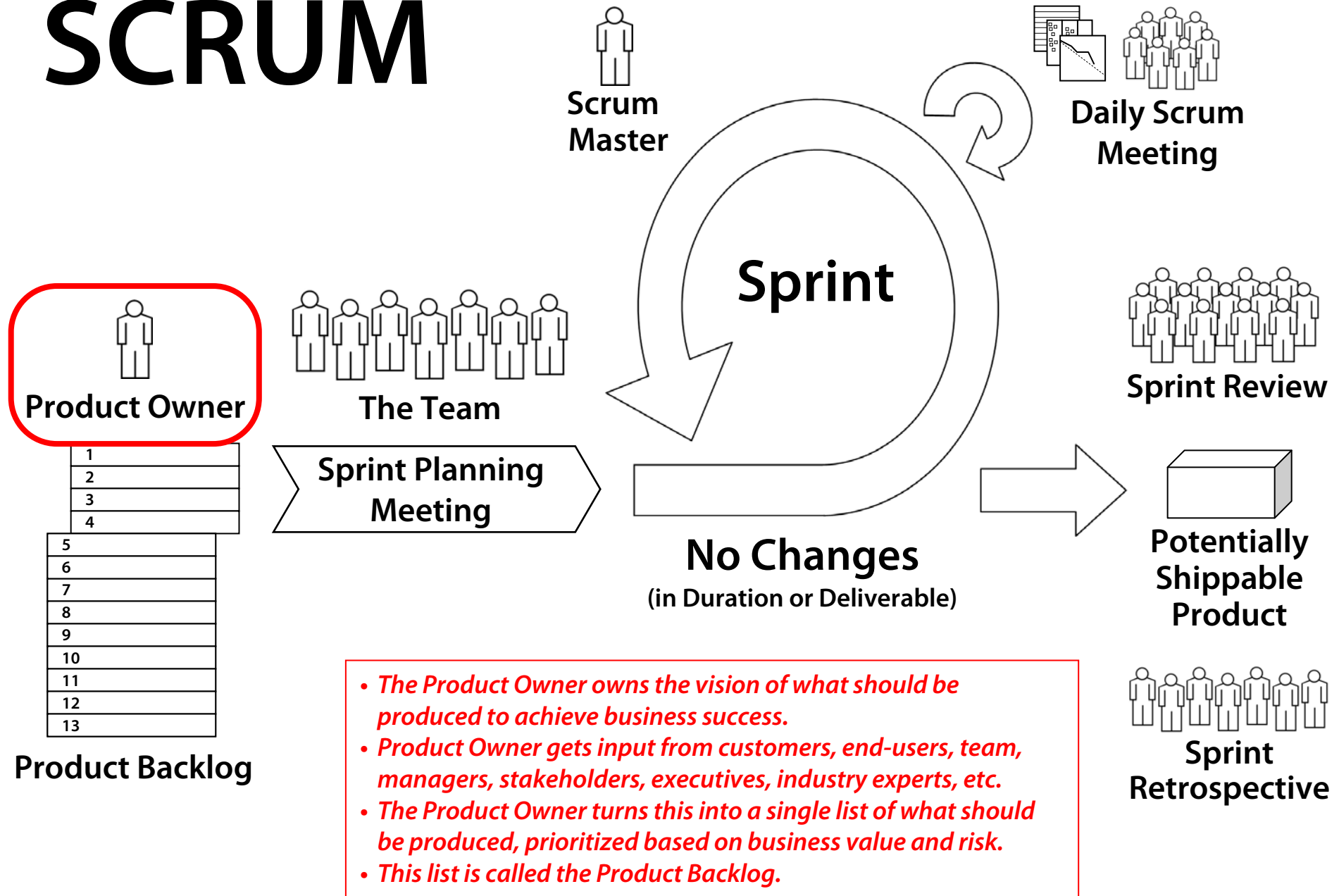
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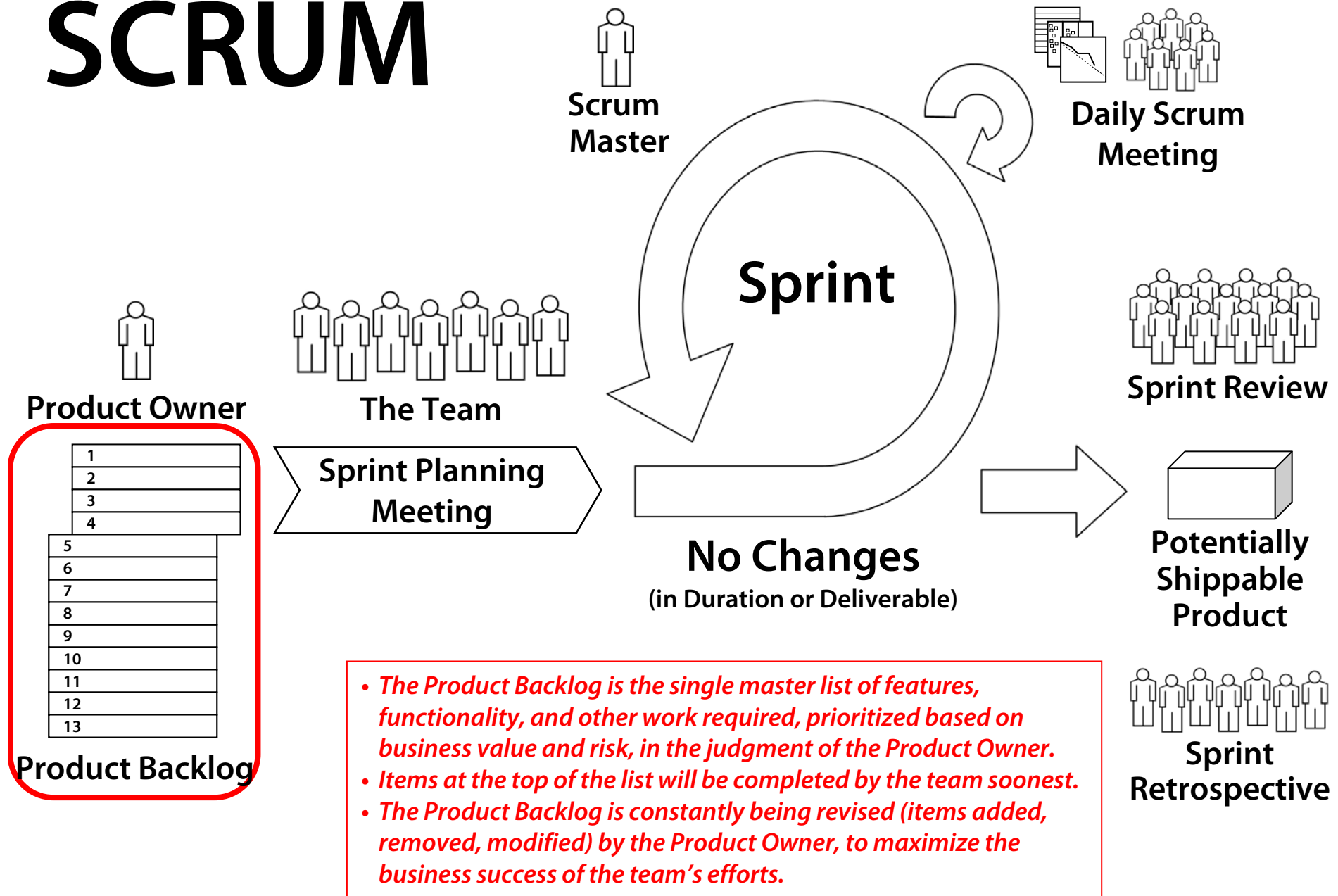
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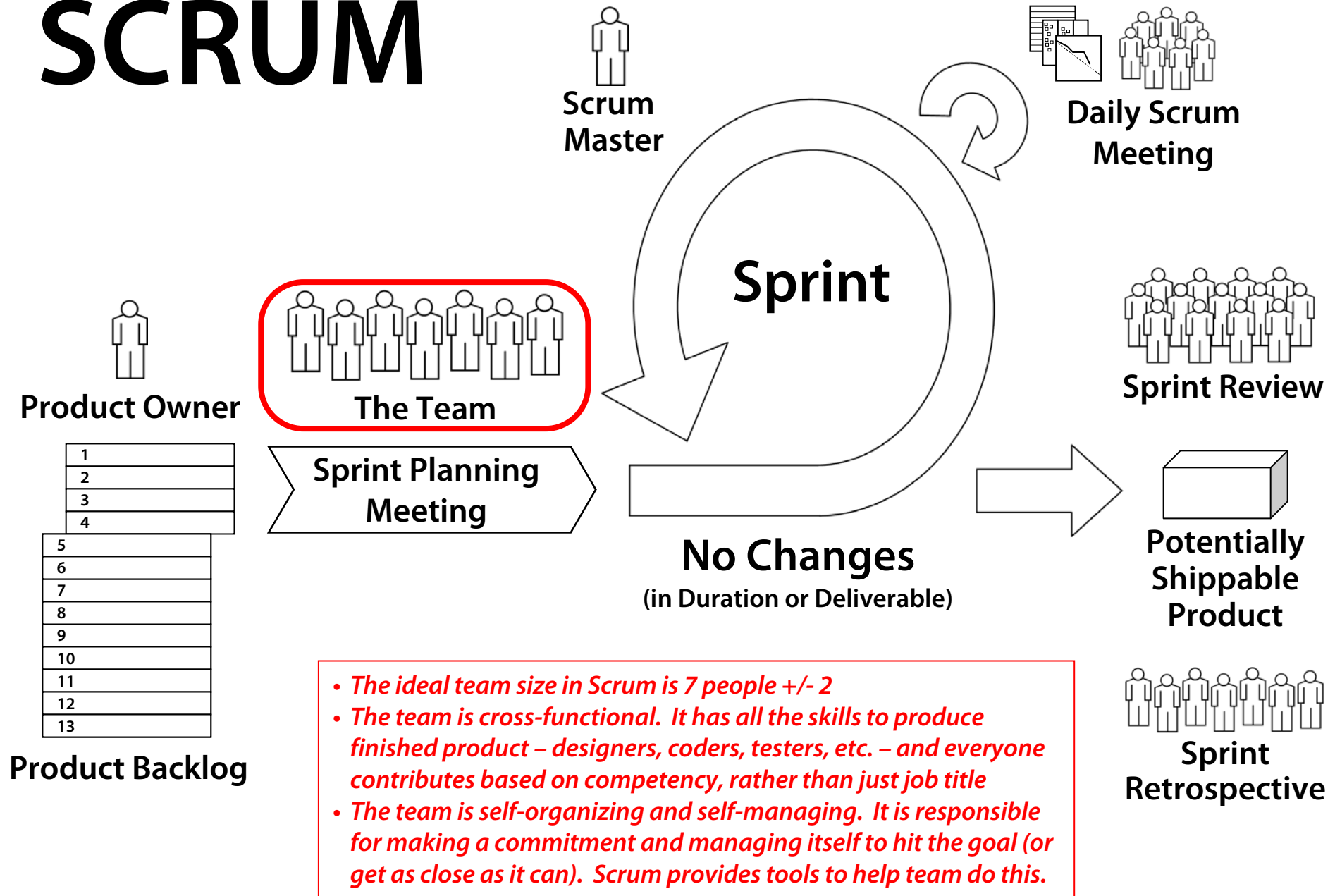
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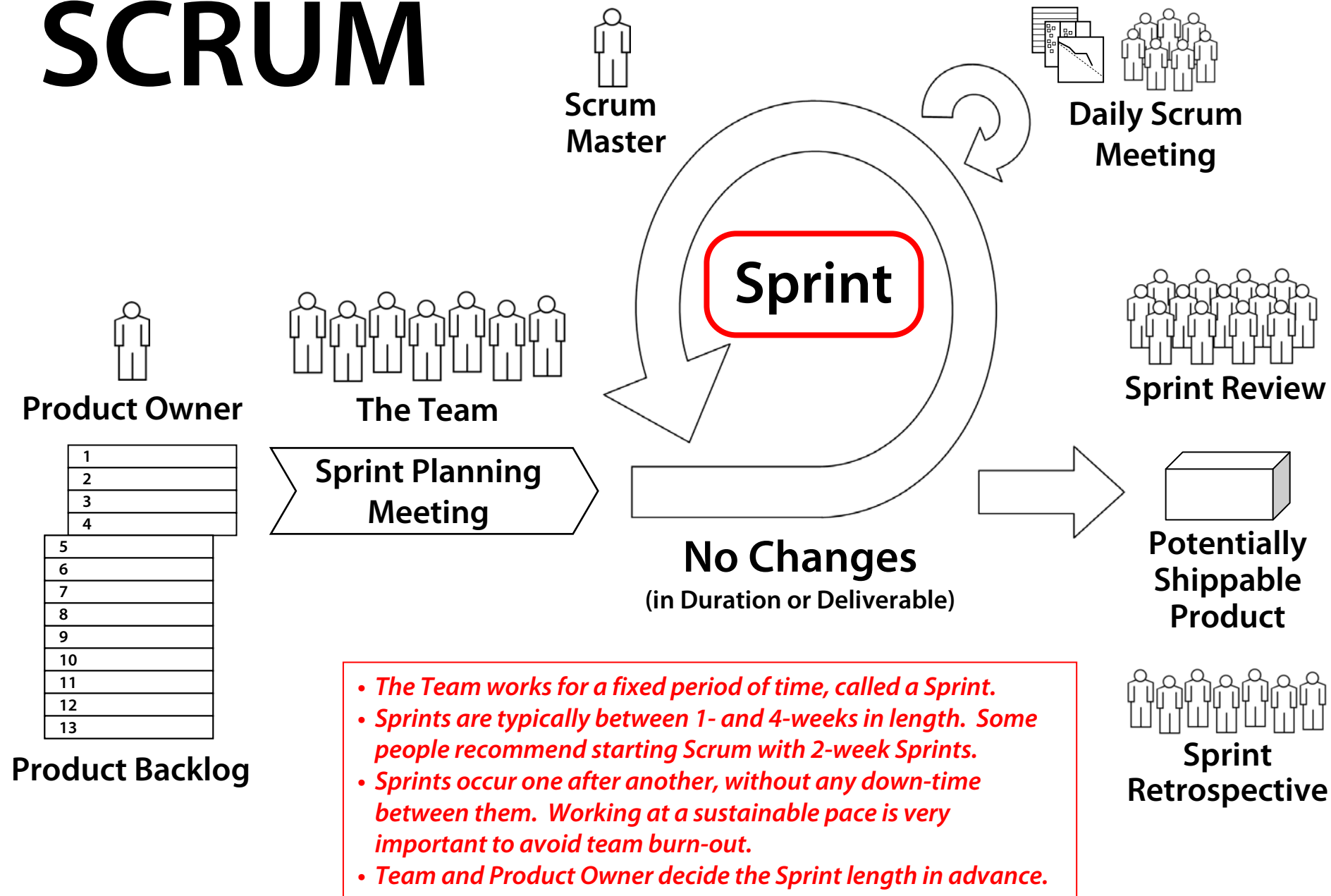
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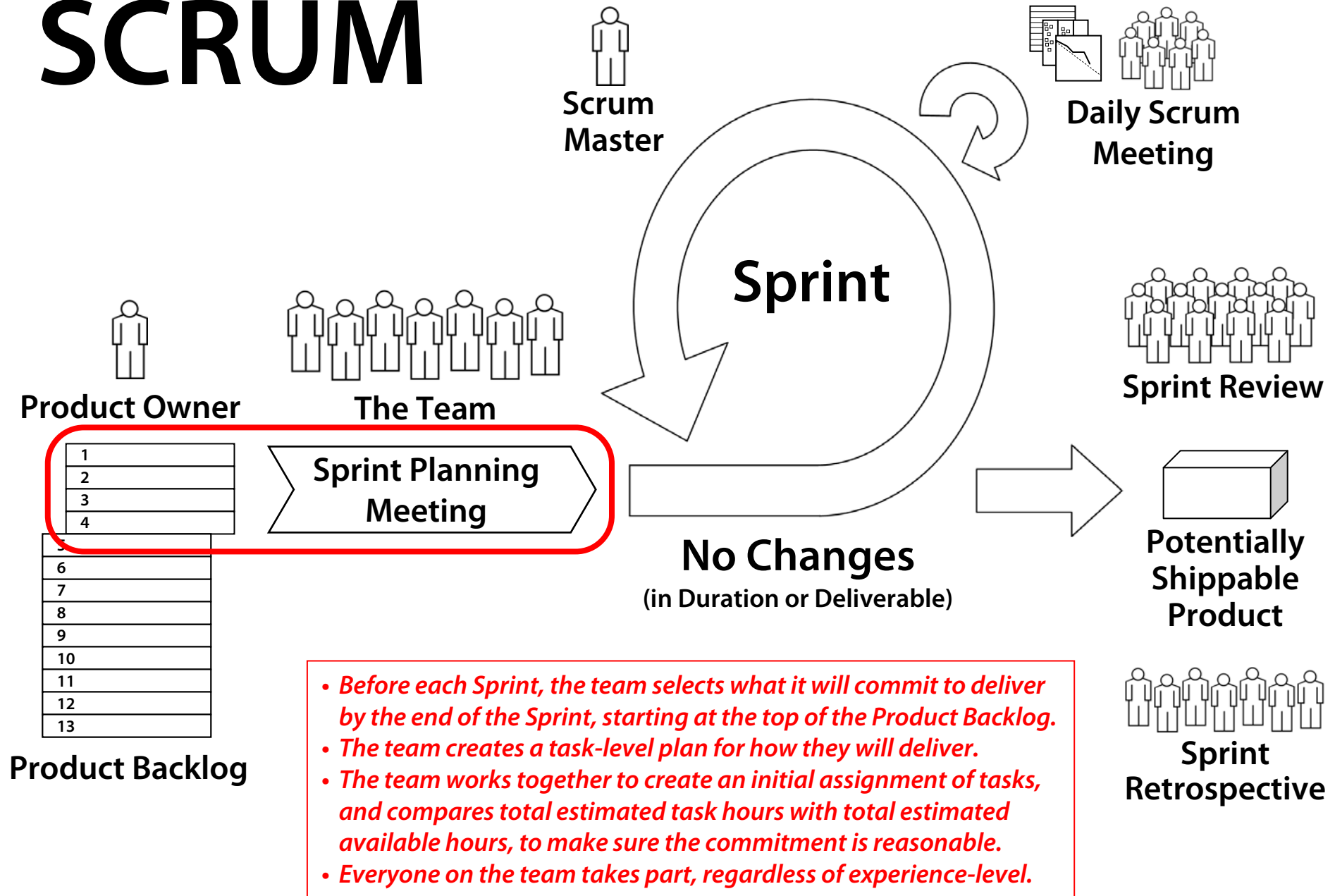


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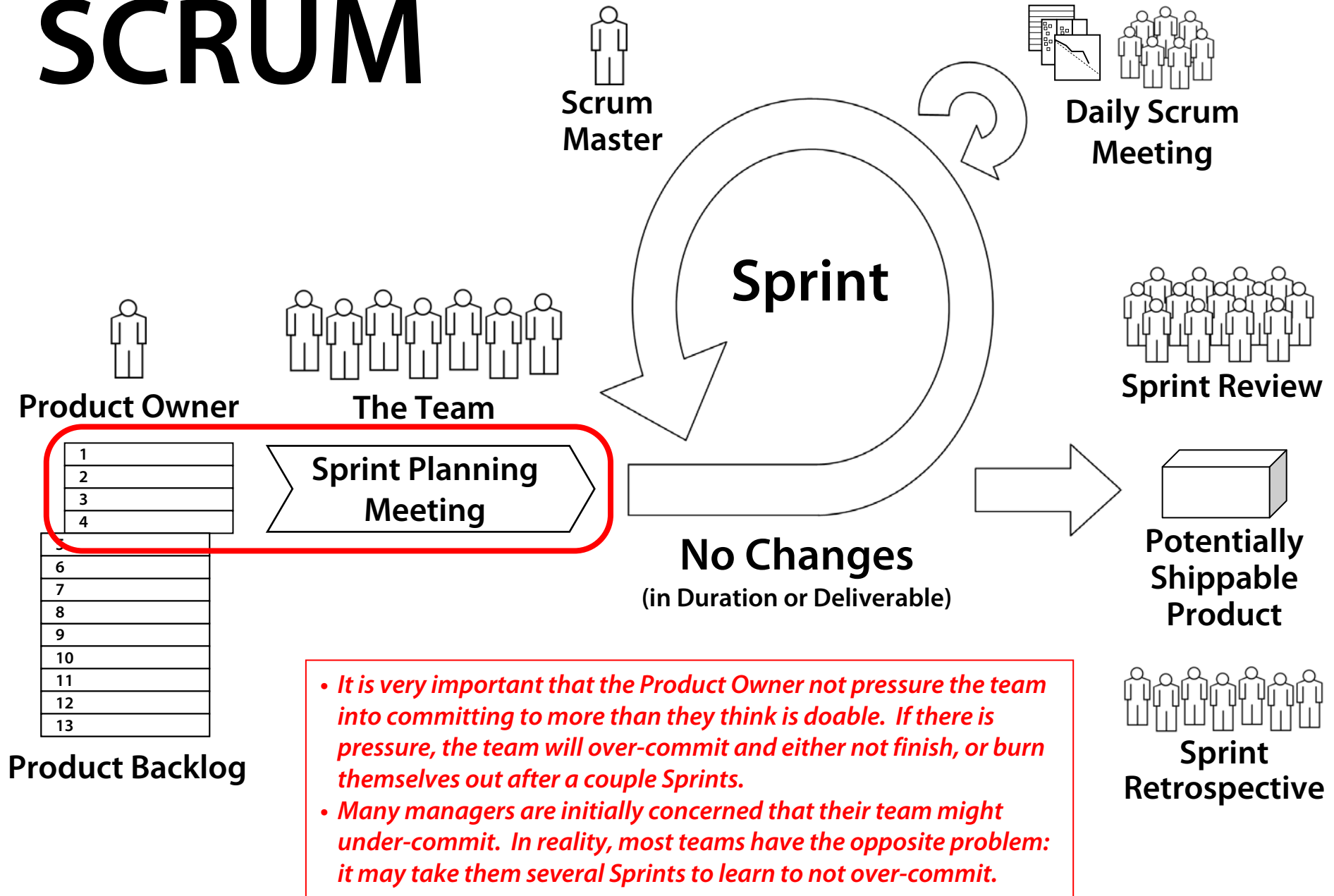


- *The Team works for a fixed period of time, called a Sprint.*
- *Sprints are typically between 1- and 4-weeks in length. Some people recommend starting Scrum with 2-week Sprints.*
- *Sprints occur one after another, without any down-time between them. Working at a sustainable pace is very important to avoid team burn-out.*
- *Team and Product Owner decide the Sprint length in advance.*

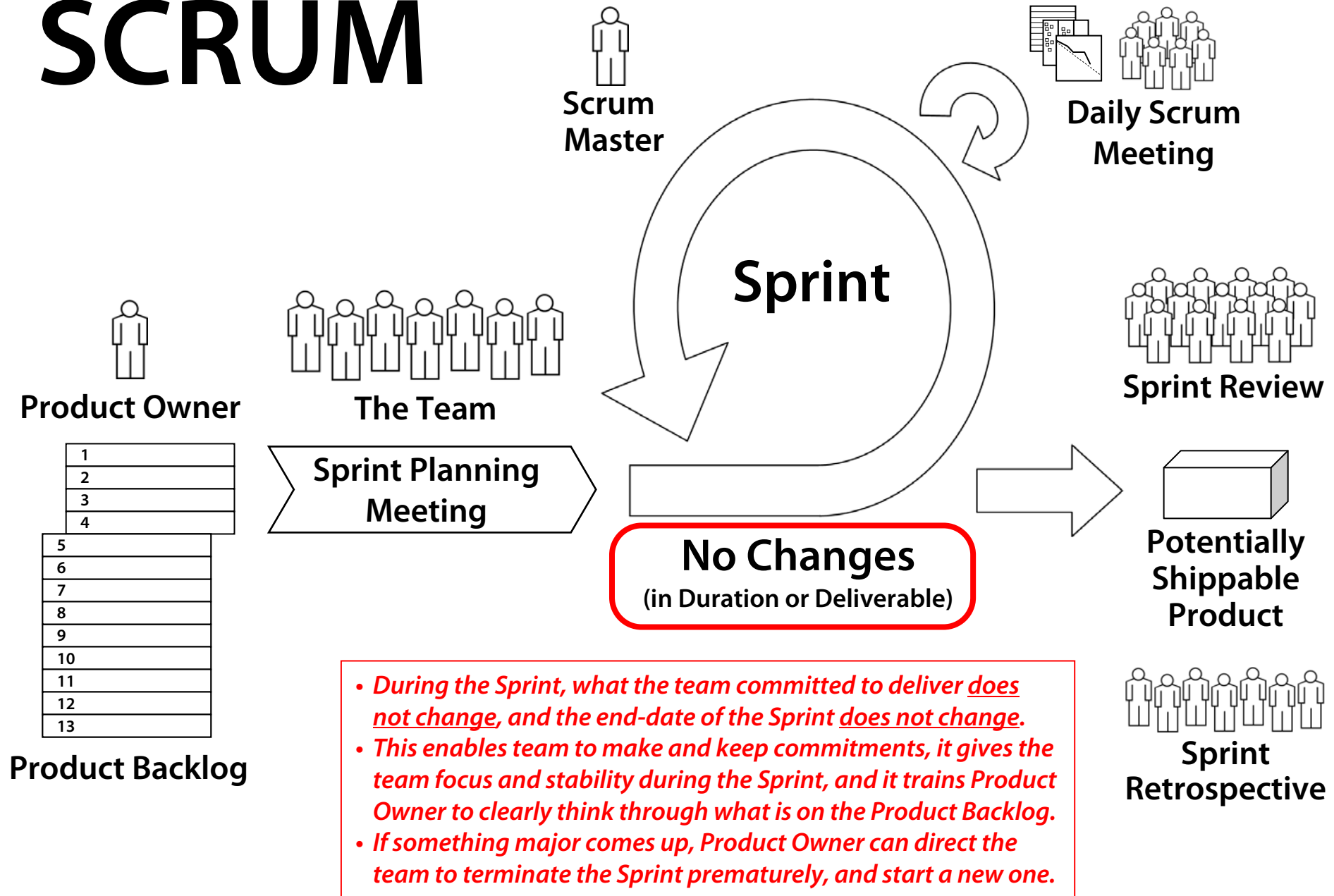
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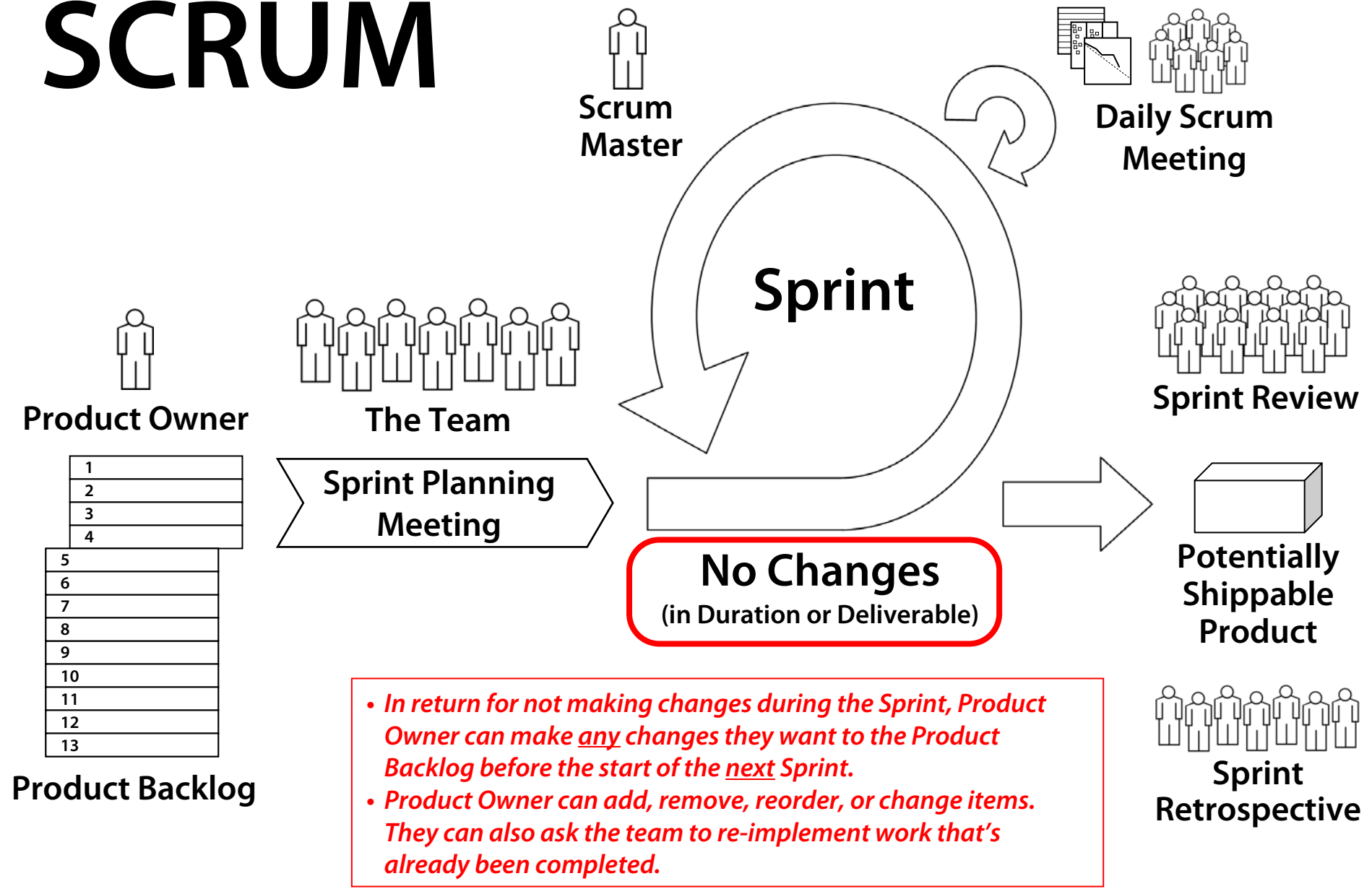
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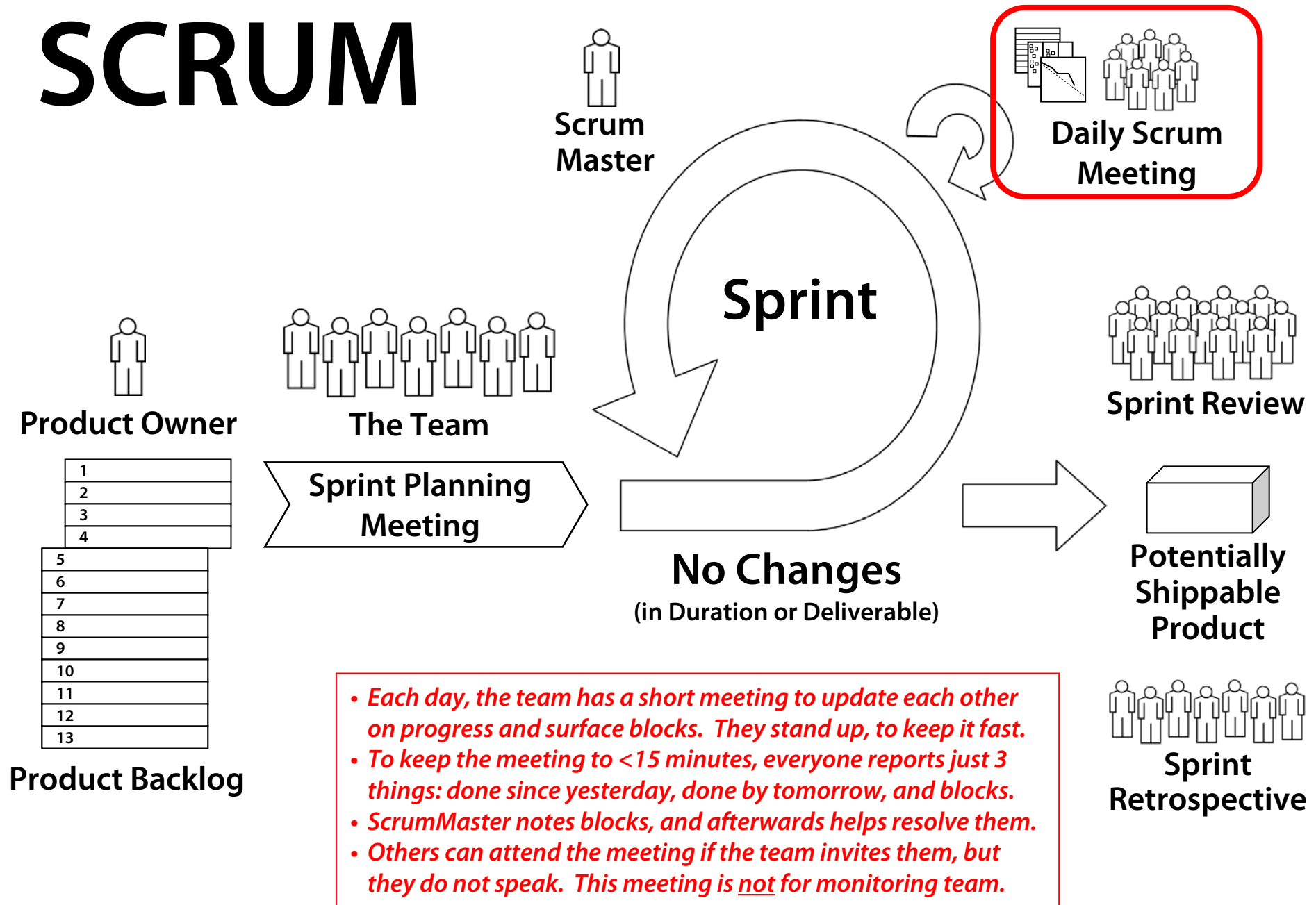


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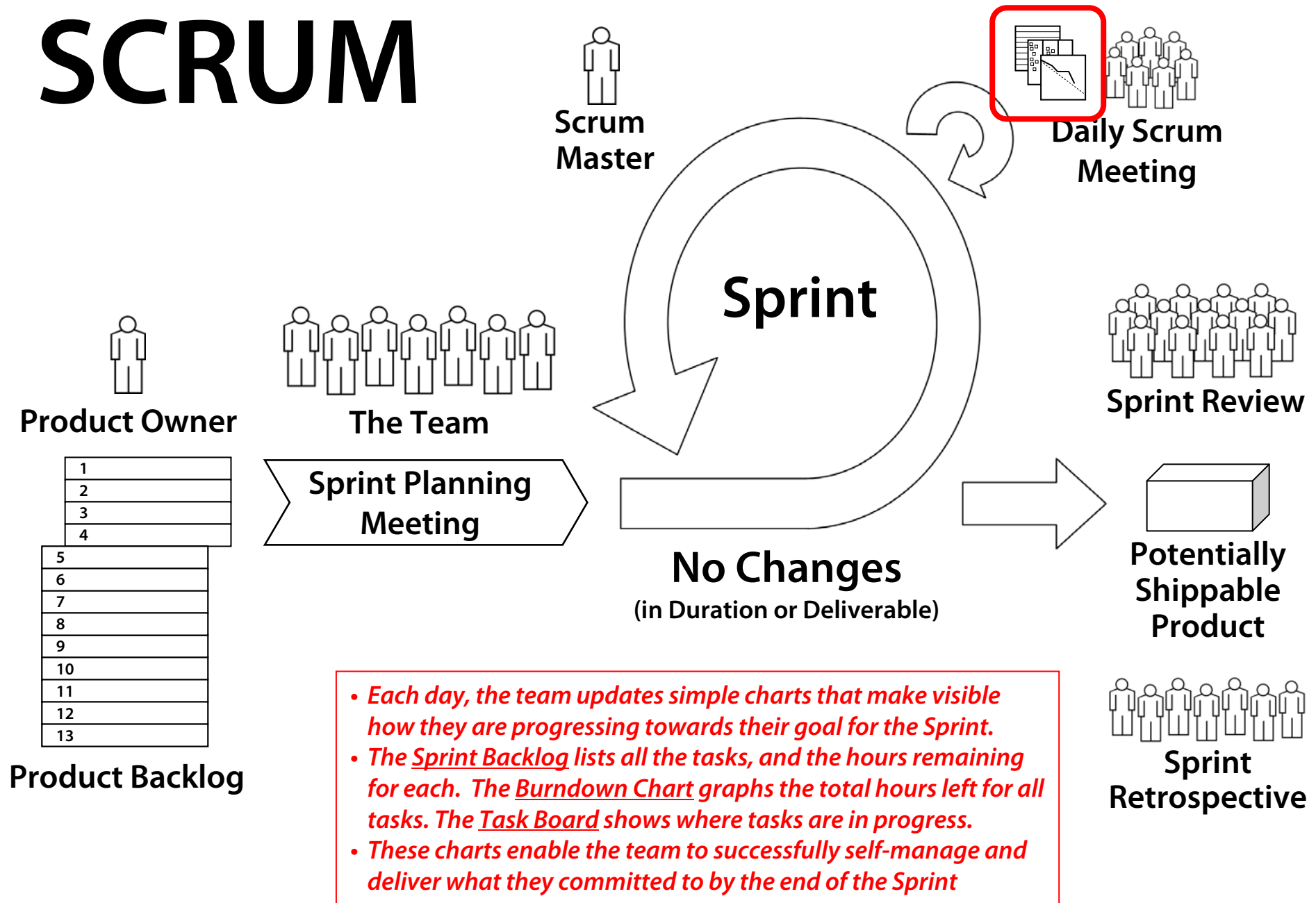


- *In return for not making changes during the Sprint, Product Owner can make any changes they want to the Product Backlog before the start of the next Sprint.*
- *Product Owner can add, remove, reorder, or change items. They can also ask the team to re-implement work that's already been completed.*

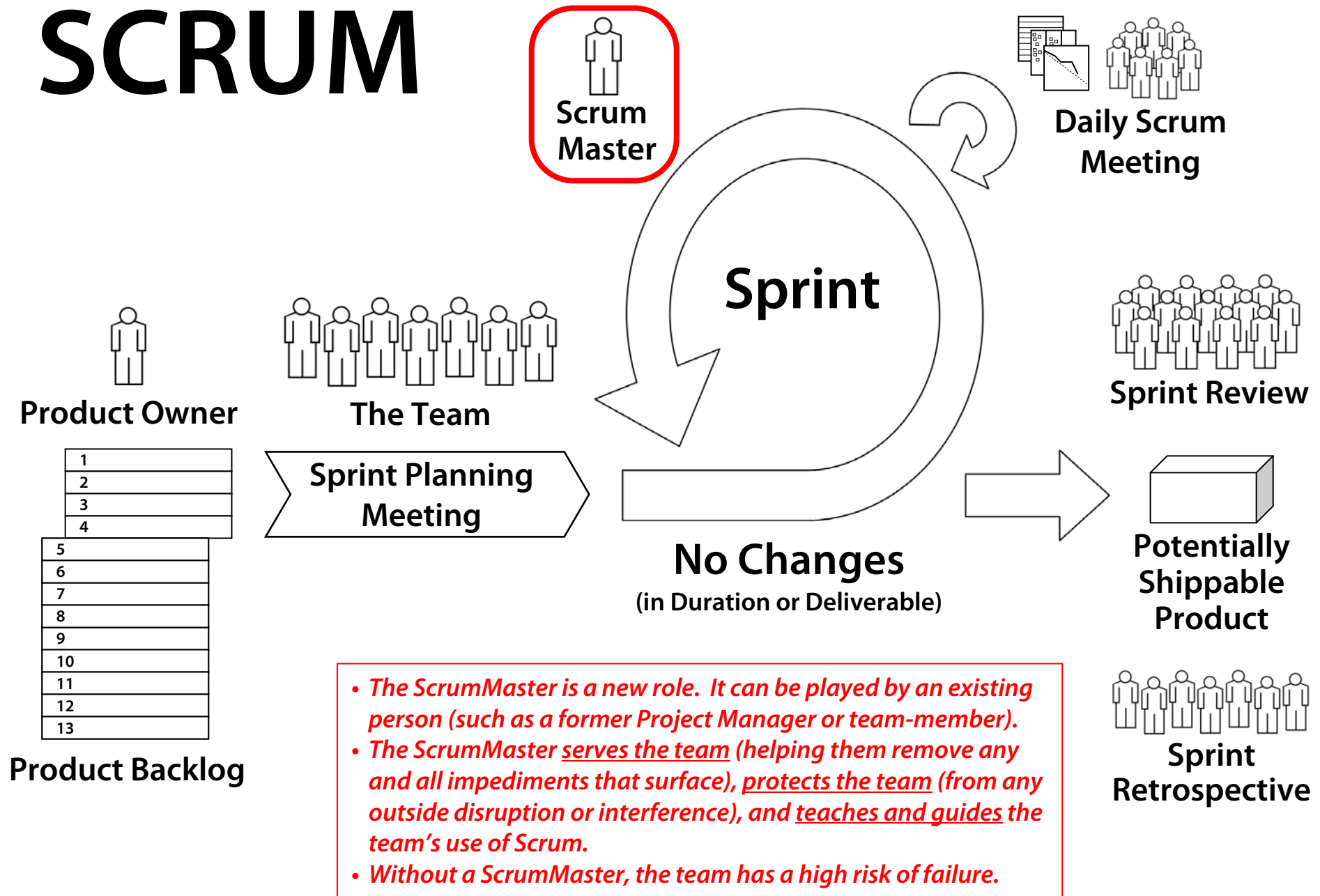
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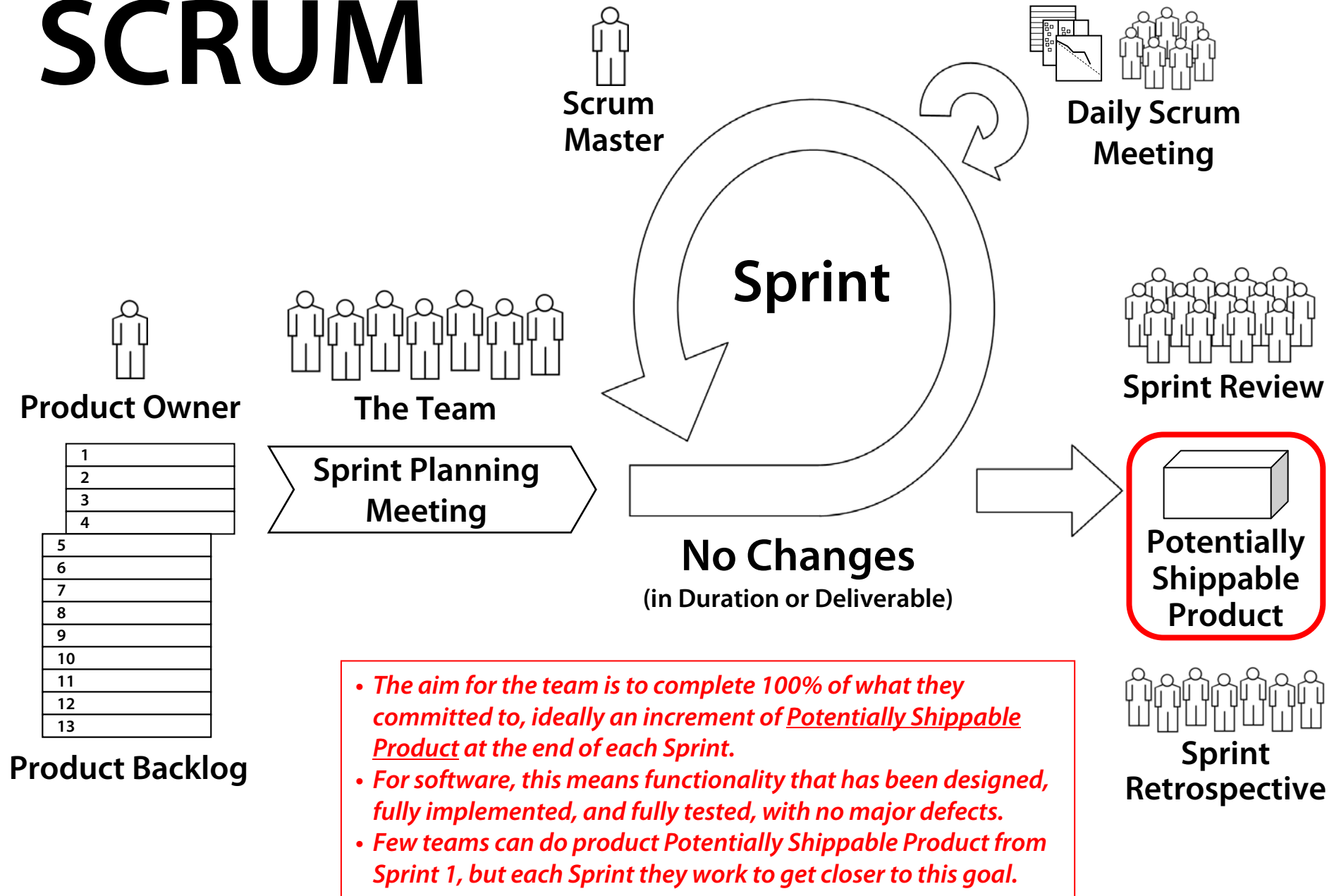
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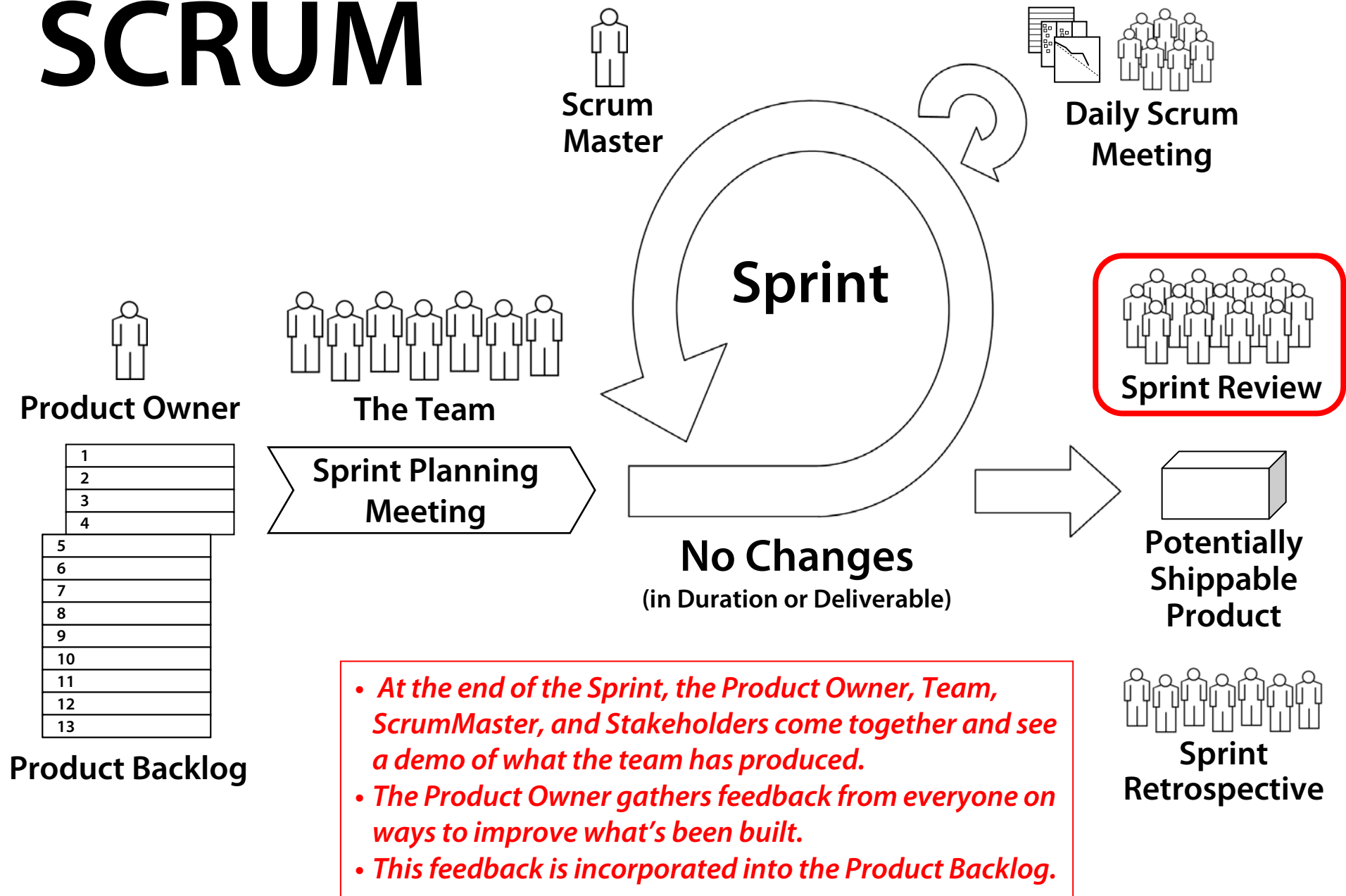
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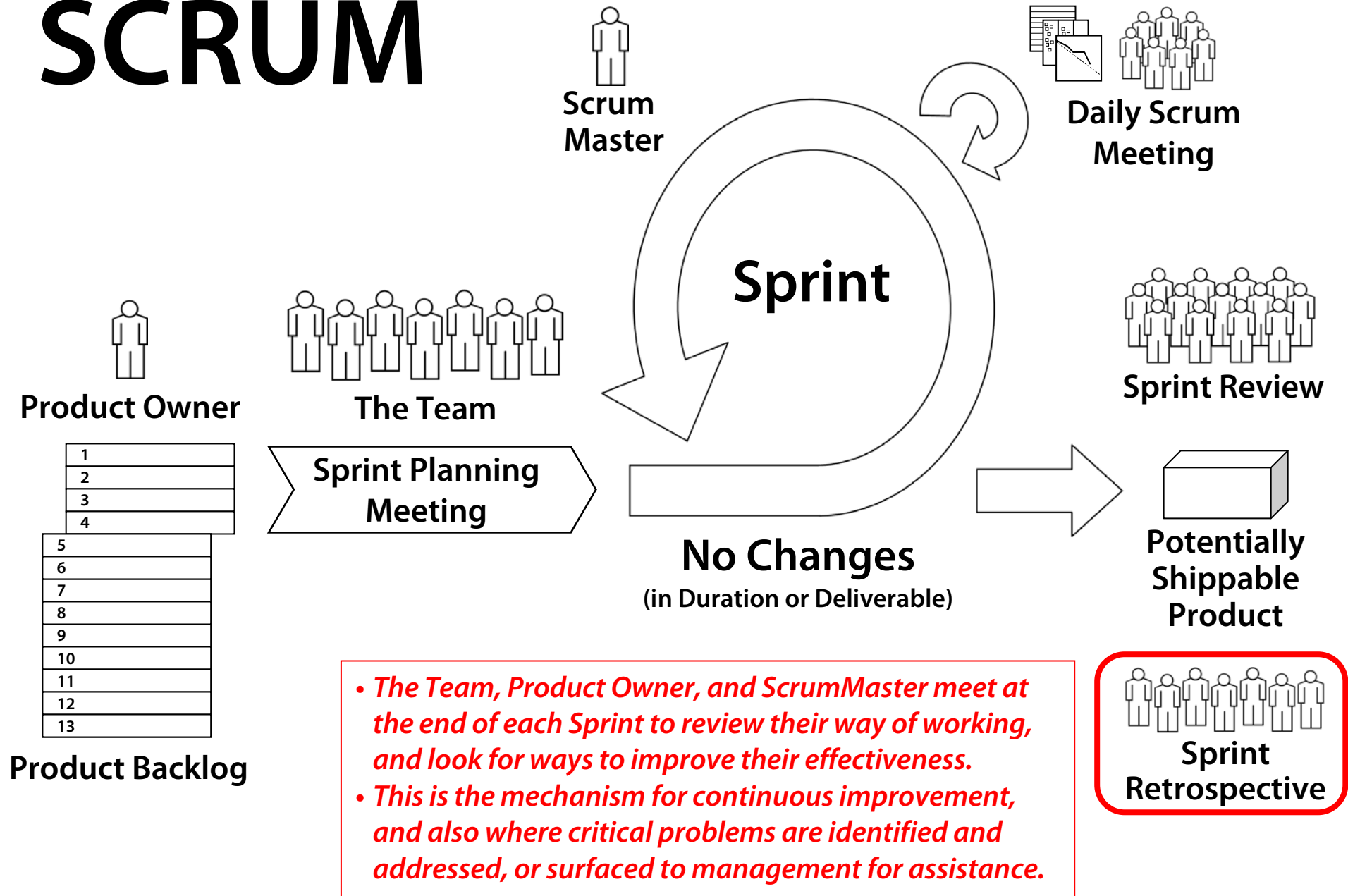
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What Improves Your Likelihood of Success with Scrum?

- 1. High Quality Scrum Training**
 - Training for Teams, and also for Managers and Executives.
 - Important that everyone know the principles and practices thoroughly, and also be prepared for the challenges and issues.
 - Choose your training provider carefully – lots of low-quality providers are starting to enter the market.
- 2. Active, Informed Support from Management**
 - Management role has to shift from micromanagement to macromanagement.
- 3. Clear Executive and Organizational Buy-In**
 - Scrum surfaces organizational dysfunction, and executive team needs to provide leadership and support to address companywide issues that surface.
 - Support also required from HR, Finance, Budgets, Metrics.
- 4. Coaching and Consulting Support**
 - Useful to have help from outside advisors on tough problems and bigger projects.
- 5. Discipline and Commitment to Actually Doing Scrum**
 - A common mistake is to modify Scrum, or apply it only partially. This can cause unintended negative effects, or allow existing dysfunction to remain unaddressed.

Scrum Training

- **Certified ScrumMaster (CSM) Training is the industry-standard training for Scrum**
 - Provided by Certified Scrum Trainers, who have been vetted and approved by the Scrum Alliance (~50 worldwide)
 - Intensive 2-Day Training Course
 - Comprehensive training in principles and practices of Scrum
 - Strong familiarization with the challenges of introducing Scrum
 - Hands-on exercises and scenario simulations
 - Topics include release planning, estimation techniques, scaling Scrum to large projects, multi-location Scrum, Scrum and metrics, strategies for success with organization-wide adoption.
 - Strongly recommended for ScrumMasters, Product Owners, and functional managers and executives in organizations adopting Scrum
 - Full list of classes available at www.ScrumAlliance.org

About the Author

Pete Deemer

- Managing Director, GoodAgile
- Creating software products for 17 years
- Graduate, Harvard University
- Former Lecturer, University of California – Berkeley
- Co-leader of Yahoo!'s adoption of Scrum, now at >200 teams (>2000 employees) in the US, Europe, and India
- Certified ScrumMaster and Certified Scrum Trainer based in India and Asia
 - One of ~50 CST's worldwide
 - Sponsored by Ken Schwaber, co-creator of Scrum