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# **MS Project Scheduling Formula – Part 1**

## *The Magic and the Mystery*

*Point Prox*

A large, faint watermark of the Point Prox logo is visible in the background. It features the words "Point Prox" in a stylized font, with "Point" in a light blue color and "Prox" in a light red color. The logo is set against a circular background with concentric rings of light blue, light red, and light grey. A horizontal line is drawn across the middle of the logo.

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# MS Project Scheduling Formula

- **Work** - amount of effort required to complete a task
- **Duration** - time on a calendar required to complete a task
- **Units** - percentage of resources' time assigned to a task
  - **Maximum Units** – percentage of a resource's time available to a project
  - **Assignment Units** – percentage of a resource's time assigned to a task

# MS Project Scheduling Formula

$$\text{work} = \text{duration} * \text{assignment units}$$

- *Duration = 10 days*
  - *Assignment Units = 100% of 40 hours per week available on the resource's calendar*
- 
- *Work = 80 hours (10 days \* 100% of 40 hours per week)*

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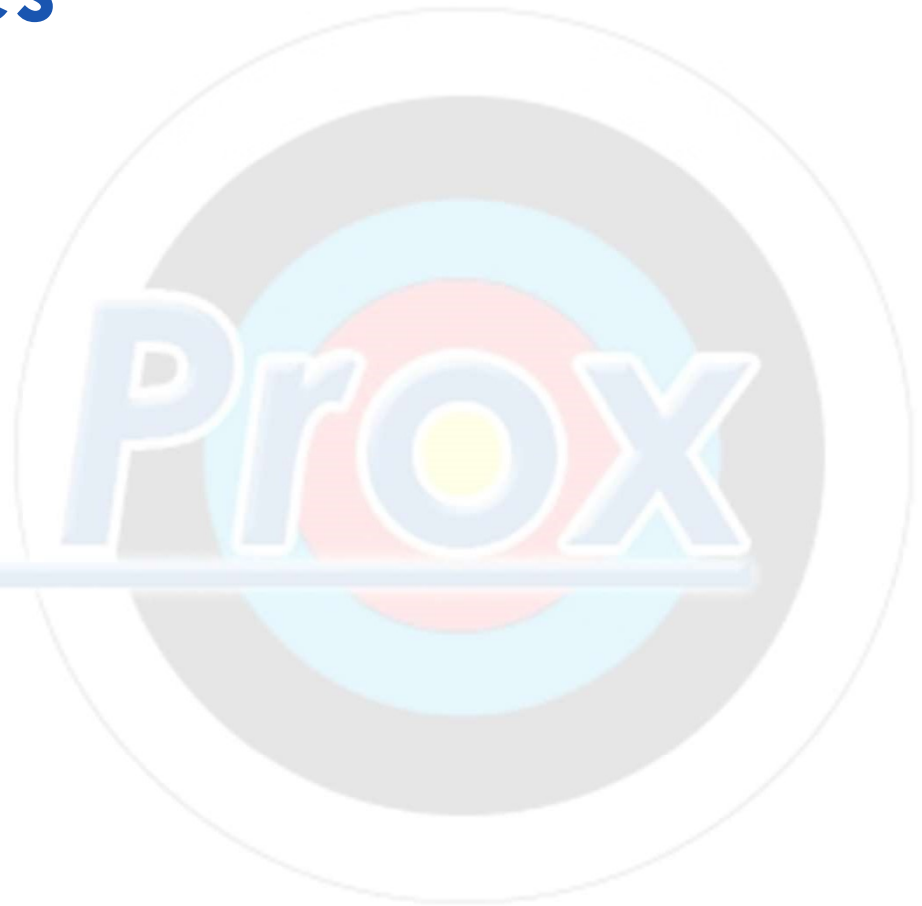


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# MS Project Task Types

- Fixed Work
- Fixed Duration
- Fixed Units
- Event Driven Scheduling

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# MS Project Scheduling Formula

$$\text{work} = \text{duration} * \text{assignment units}$$

- *Duration = 10 days*
  - *Assignment Units = 50% of 40 hours available on the resource's calendar*
- 
- *Work = 40 hours (10 days \* 50% of 40 hours per week)*

# MS Project Scheduling Formula

$$\text{work} = \text{duration} * \text{assignment units}$$

- *Duration = 10 days*
  - *Assignment Units = 200% of 40 hours available on the resource's calendar*
- 
- *Work = 160 hours (10 days \* 200% of 40 hours per week)*



# MS Project Scheduling Formula

$$\text{work} = \text{duration} * \text{assignment units}$$

- *Duration = 10 days*
  - *Assignment Units = 100% of 40 hours available on one resource's calendar and 25% of 40 hours available on another resource's calendar*
- 
- *Work = 100 hours (10 days \* 100% of 40 hours per week plus 10 \* 25% of 40 hours per week )*

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