Name of Task:		Grade Level: 3
Soccer Time BEGIN WITH THE END IN MIND: What will we lear	n about the students	' mathematical
understanding from this task?	Thabout the students	mathematical
Students will solve multi-step elapsed-time problems.		
Common Core Content Standards assessed through this task: (choose 3-5 standards at your grade level that can be clearly assessed through this task. Standards need not be from the same domain but should relate to the task).  3.MD.1 Time Intervals  3.OA.7 Multiply and divide within 100  3.OA.8 Solve multi-step word problems	assessed through for Mathematical Practice t this task.)	hematical Practice this task: (choose 2-3 Standards that can be clearly assessed through  problems and persevere in tion.

### Use the space below to outline your task. Keep the following in mind...

Lee has a 30-minute soccer practice 3 days a week and a 90-minute game each Saturday. How much time does he spend on the soccer field in a two-week period?

Alternate: If he practiced 2 days a week and had a 90-minute game on Saturday. How much time does he spend playing soccer in one week?

Extension: He missed a week of practice but still played in the game on Saturday. How much time does he spend on the soccer field in a 4-week month?

#### Does this task...

- reflect a real-world task/scenariobased problem?
- require application of mathematical concepts and assess related Common Core content Standards?
- Require students to engage in 2-3 Standards for Mathematical Practice?
- Allow for multiple approaches?
- Require a high level of cognitive demand?

**Assessment:** How will you evaluate student work? Create a task-specific rubric. Apply the Exemplars levels– Novice, Apprentice, Practitioner, Expert – when creating your rubric.

Novice	No strategy is chosen or a strategy is chosen that will not lead to a solution.  Little or no evidence of engagement in the task.  No correct reasoning nor justification for reasoning is present.  Little or no communication of an approach is evident with mathematical language.  No connections are made.  No attempt is made to construct mathematical representations.
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Apprentice	A partially correct strategy is chosen. Evidence of previous knowledge. Arguments are made with some mathematical basis. Some formal math language is used, and examples are provided to communicate ideas. Some effort is made to relate to own interests and experiences. An attempt is made to construct mathematical representations to record and communicate problem solving.
Practitioner	A correct strategy is chosen.  Evidence of applying prior knowledge is present.  Arguments are constructed with adequate mathematical knowledge.  Systematic approach or correct reasoning is present.  Precise math language is used with audience in mind.  Mathematical connections are recognized.  Appropriate mathematical are presentations are used.
Expert	An efficient strategy is used. A correct answer is given. Evidence is used to justify and support decisions. Precise math language is used to communicate to an appropriate audience. Mathematical connections or observations are used to extend the solution. Abstract or symbolic mathematical representations are constructed to analyze relationships, extend thinking and clarify or interpret phenomenon.

# NCTM Process Standards and the CCSS Mathematical Practices

<b>NCTM Process Standards</b>	CCSS Standards for Mathematical Practice
Problem Solving	Make sense of problems and persevere in solving them.     Use appropriate tools strategically.
Reasoning and Proof	Reason abstractly and quantitatively.     Critique the reasoning of others.     Look for and express regularity in repeated reasoning
Communication	3. Construct viable arguments
Connections	Attend to precision.     Look for and make use of structure
Representations	4. Model with mathematics.