Student: A

Criteria	Performance Level	
	(Advanced, Proficient,	Rationale
	Developing, Emerging)	
Mathematical Understanding	Proficient	 The student demonstrates an understanding of elapsed time. The student applies the use of a t-chart which leads to a valid solution of Bus A's elapsed time (12 hrs and 27 min.).
Problem Solving	Proficient	 The student displays an understanding of elapsed time by correctly determining Bus A as the shorter trip through the use of a t-chart. The student confirmed the reasonableness of their choice by subtracting the difference in minutes of both trips.
Communication and Reasoning	Advanced	 The student made an estimation of Bus B's route which shows a more comprehensive understanding of the problem. The student communicated that Bus B is almost 13 hours and that 12 hours and 27 minutes is less time. The student writes that Bus A would get you there faster.
Representations and Connections	Proficient	 The student uses a t-chart representation to explore the elapsed time. The t-chart is accurately labeled with hours, minutes, am and pm. The student could move to a score of Advanced by labeling and explaining what the subtracted difference of 26 meant in the problem.

Student: B

Criteria	Performance Level	
	(Advanced, Proficient,	Rationale
	Developing, Emerging)	
Mathematical Understanding	Advanced	 The student used the 12-hour relationship of am and pm to determine the elapsed time of Bus A demonstrating a deeper understanding. The student also found the exact difference between trips.
Problem Solving	Advanced	 The student's t-chart strategy was well efficient. The student captured a greater chunk of time by using the 12-hour relationship of am to pm.
Communication and Reasoning	Advanced	 The student demonstrated and justified their reasoning for choosing Bus A by finding the 26-minute difference in elapsed time between the two buses. The student consistently used precise mathematical language (hours, minutes, shorter, longer) to communicate their thinking.
Representations and Connections	Proficient	 The student used a t-chart with accurate labels as a representation of the problem. The student could move to a score of Advanced by recording a mathematical connection between the t-chart and their solution.

Student: C

Criteria	Performance Level (Advanced, Proficient,	Rationale
	Developing, Emerging)	
Mathematical Understanding	Emerging	• The student demonstrated no understanding of elapsed time. The student added the start and end times. The student did not denote am or pm. The student chose Bus A but gave no reason.
Problem Solving	Emerging	 The student's strategy of adding the end and start time together did not produce a solution that is relevant to the problem.
Communication and Reasoning	Emerging	 The student chose Bus A but did not provide reasoning. The student does not provide evidence to support their choice. The student did not use any mathematical language to communicate their thinking.
Representations and Connections	Emerging	 The student used a representation of adding the end and start time of Bus A but it does not model the elapsed time situation. The student makes no mathematical connections.

Student: D)
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Criteria	Performance Level (Advanced, Proficient, Developing, Emerging)	Rationale
Mathematical Understanding	Proficient	 The student demonstrated an understanding of elapsed time by creating a number line showing the elapsed time of Bus A. The student applied a number line strategy to support their choice of Bus A. Their strategy led to a valid and correct solution of the elapsed time.
Problem Solving	Advanced	 The student's use of a number line is efficient and displays a well-developed understanding of the elapsed time situation. The student produced a correct solution that is relevant to the problem by finding the exact difference between the two bus routes.
Communication and Reasoning	Advanced	 The student supported their choice with reasoning and consistently used precise mathematical language (hours, minutes, difference, time) to communicate their thinking.
Representations and Connections	Advanced	 The student used a number line with a key denoting 1 hour, 10 minutes, and 1 minute increments to represent their thinking. The student used an equation to represent the difference in time between the two buses.

Student: E

Criteria	Performance Level (Advanced, Proficient,	Rationale
	Developing, Emerging)	
Mathematical Understanding	Proficient	 The student demonstrated an understanding of the elapsed time task by correctly determining the elapsed time of Bus A. The student applied a counting up strategy of hours and minutes which led to a valid and correct solution.
Problem Solving	Proficient	 The student used a counting up strategy to display an understanding of elapsed time. The student produced a relevant solution of Bus A's elapsed time and explained that Bus B is longer.
Communication and Reasoning	Developing	 The student's reasoning is limited to communicating that Bus B's trip is longer without explanation of how. The student communicates counting in minutes but actually counted in hours. The student used limited mathematical language (minutes, hours, longer) to communicate their thinking.
Representations and Connections	Developing	 The student partially modeled elapsed time with a list of elapsed hours and minutes. The student could move to a score of Proficient by labeling both the hours and minutes used to determine the elapsed time.

Student: F

Criteria	Performance Level	Detionala
	(Advanced, Proficient, Developing, Emerging)	Rationale
Mathematical Understanding	Proficient	 The student demonstrated an understanding of elapsed time by creating a number line to represent the elapsed time situation. The student applied the result of their number line to make a choice of Bus B. Their number line strategy led to a valid solution.
Problem Solving	Advanced	 The student used the number line to efficiently solve the problem by making jumps of greater quantities. The student confirmed the reasonableness of the solution by determining the exact difference in route times.
Communication and Reasoning	Advanced	 The student's reasoning was comprehensive. The student reasoned that Bus B was the better choice because it would take 26 more minutes and the student liked long bus rides. The student used consistent and precise mathematical language (am, pm, minutes, difference) to communicate their thinking.
Representations and Connections	Proficient	 The student represented the problem with a number line. The number line is labeled accurately with times in am and pm. The increments were clearly marked and the total time was recorded.