

Anchor Paper Scoring and Rationales – Task- Wildfires

Name: Student A

Criteria	Performance Level (Advanced, Proficient, Developing, Emerging)	Rationale
Mathematical Understanding	Developing	The student demonstrates a partial understanding of concepts and skills associated with the task.
Problem Solving	Developing	The student produces a solution relevant to the problem but does not confirm the reasonableness of how to determine how much farther the water must travel before it hits the ground.
Communication and Reasoning	Proficient	Student A uses mathematical language to communicate thinking
Representations and Connections	Proficient	The student makes a mathematical connection that is relevant to the context of the problem

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Name: Student B

Criteria	Performance Level (Advanced, Proficient, Developing, Emerging)	Rationale
Mathematical Understanding	Proficient	Student B applies mathematical concepts and skills which lead to a valid and correct solution.
Problem Solving	Proficient	Student B's problem solving strategy displays an understanding of the underlying mathematical concept.
Communication and Reasoning	Proficient	Student B demonstrates reasoning and/or justifies solution steps, and uses mathematical language to communicate thinking.
Representations and Connections	Proficient	The student makes a mathematical connection that is relevant to the context of the problem.

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Name: Student C

Criteria	Performance Level (Advanced, Proficient, Developing, Emerging)	Rationale
Mathematical Understanding	Developing	The student demonstrates partial understanding of how to find the maximum height of the water.
Problem Solving	Developing	Student C's problem solving strategy displays a limited understanding of how to identify how much farther the stream of water must travel when the stream of water is 32 feet above ground.
Communication and Reasoning	Developing	Student C provides limited evidence to support the images provided, and uses limited mathematical language to partially communicate thinking.
Representations and Connections	Developing	This student makes a partial mathematical connection or the connection is not relevant to the context of the problem

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Name: Student D

Criteria	Performance Level (Advanced, Proficient, Developing, Emerging)	Rationale
Mathematical Understanding	Proficient	Student D applies mathematical concepts and skills which lead to a valid and correct solution.
Problem Solving	Developing	The student produces a solution relevant to the problem but does not confirm the reasonableness of the solution.
Communication and Reasoning	Developing	Student D provides limited evidence to support arguments and claims, and uses limited mathematical language to partially communicate thinking.
Representations and Connections	Developing	This student uses an incomplete or limited representation to model the problem.