

**Math 8**

**How Fast Does Ice Melt?**

Prediction:

Procedure: (draw it)

Data Collection:

Sources of Error:

Why should we care?

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| **Criterion D: Applying Mathematics in Real-Life Contexts** |
| **(0)** | **Beginning (1-2)** | **Developing (3-4)** | **Accomplished (5-6)** | **Exemplary (7-8)** |
| *I have not achieved a standard described by any of the descriptors to the right*. | *I am able to:***identify** some of the elements of the authentic real-life situation **apply** mathematical strategies to find a solution to the authentic real-life situation, with limited success.  | *I am able to:***identify** the relevant elements of the authentic real-life situation **select**, with some success, adequate mathematical strategies to model the authentic real-life situation **apply** mathematical strategies to reach a solution to the authentic real-life situation **describe** whether the solution makes sense in the context of the authentic real-life situation.  | *I am able to:***identify** the relevant elements of the authentic real-life situation **select** adequate mathematical strategies to model the authentic real-life situation **apply** the selected mathematical strategies to reach a valid solution to the authentic real-life situation**describe** the degree of accuracy of the solution **discuss** whether the solution makes sense in the context of the authentic real-life situation. | *I am able to:***identify** the relevant elements of the authentic real-life situation **select** appropriate mathematical strategies to model the authentic real-life situation **apply** the selected mathematical strategies to reach a correct solution **explain** the degree of accuracy of the solution **explain** whether the solution makes sense in the context of the authentic real-life situation. |