

## Winter Solstice Exemplar

Name: \_\_\_\_\_

As we near winter solstice, December 21, daylight is becoming less and less. The days from summer solstice, June 21, become shorter by 1-3 minutes per day. For this activity, we are going to use 1 minute for sunrise and 1 minute for sunset per day.

Your task is to find out the sunrise and sunset in our town on December 21<sup>st</sup>. You will also need to find the sunrise and sunset in Shaktoolik, Alaska, for December 21<sup>st</sup>.

On December 1, our sunrise was \_\_\_\_\_ AM. Sunset was \_\_\_\_\_ PM.

On December 1, Shaktoolik's sunrise was 11:07 AM. Sunset was 4:00 PM.

Please show your work and then write at least one paragraph explaining your mathematical thinking. Write another couple sentences about Shaktoolik, AK. Imagine what life must be like in December for those students.

