

Activity Sheet 2

LET IT SNOW

1. There is 1 cm of snow on the ground. You want to keep track of the amount of snowfall. If it snows at a rate of 3 cm each hour, how much snow will be on the ground after 8 hours?

Draw a picture to show what happens each hour.

First Hour Second Hour Third Hour Fourth Hour Fifth Hour Sixth Hour ...

Complete the chart to show the total amount of snow on the ground each hour.

Number of Hours	Total Snow (cm)
0	1
1	4
2	
3	
4	
5	
6	
7	
8	

2. There are 4 cm of snow on the ground, and it starts to snow at a rate of 3 cm per hour. How much snow will be on the ground after 8 hours?
3. There are 2 cm of snow on the ground. School A closes if there are 12 cm of snow on the roads by 6 a.m. If it snows 2 cm each hour, what time must the snow start for School A to close?

Extension:

4. There are 2 cm of snow on the ground. School B closes if there are 14 cm of snow on the roads by 6 a.m. If it starts snowing at 2 a.m., how much snow must fall each hour for School B to close?