**Candy Cartons Day Two** Names\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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 Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_hour\_\_\_\_



Remember, your design must take into account the following:

* The **18 candies** are 1 cm deep and 2 cm across
* The carton must be made from a single sheet
* The design should require as little cutting as possible

1) What factors might be important in the design of the best candy carton?

2) With your table partner, share a favorite design from yesterday, describing its shape and positive characteristics.

3) Discuss the different choices, and then choose one design to work with.

 (Remember, the goal is to create a candy carton that will use the least material and still be effective.)

4) Write a description of the **shape** of your chosen carton, including the dimensions:

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5) Use the grid provided to draw the ***net*** of your chosen carton.

6) Find the surface area and volume of your carton.

 ***Surface Area Volume***

7) Cut out your design.

8) What are the best characteristics of your carton? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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9) How do you think your carton could be improved? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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