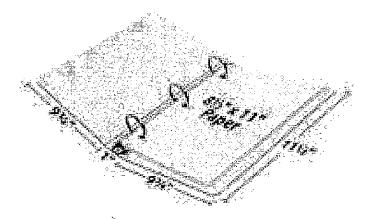
In a Bind for Boxes

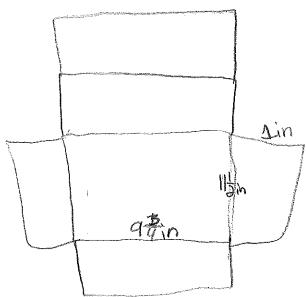
School supplies are in high demand right now, but not all the packaging has been designed. As a packaging engineer, you have been hired to create a box to ship individual binders. The dimensions for the binders are below.



Dimensions of binder: 9_4^3 inches by 1 inch by 11_2^1 inches

Task 1

Draw a net for a rectangular prism that will fit the binder. The dimensions for the binder are above, so be sure to label the sides. Remember a net must be in one piece and be able to fold into a three-dimensional figure.



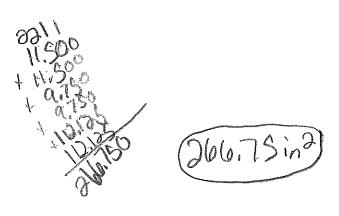
Task 2

Draw the 3-dimensional diagram of the box you created above. Be sure to label side lengths.



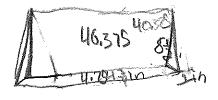
Task 3

Determine how much cardboard would be needed for the box you designed in square inches.



Task 4

Now, design another box using a different 3-dimensional shape. Be sure to create the box for the same binder pictured in Task 1. Draw and label the diagram.



CHI TO



MiPAC – MA.6.10 – In a Bind for Boxes Grade 6

Task 5

How many square inches of cardboard would be needed for the Task 4 design? Show your work.

all in

Task 6

Which of your two boxes should the company choose to send the binders? Why? Explain your reasoning.

My Selond Box belowse it is Batter than the first Box