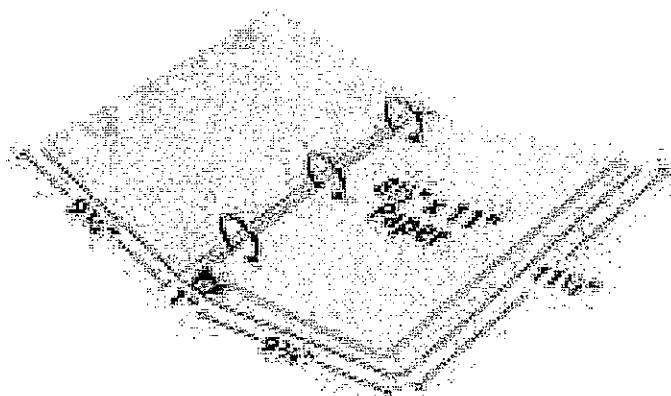


STUDENT MATERIALS

In a Bind for Boxes

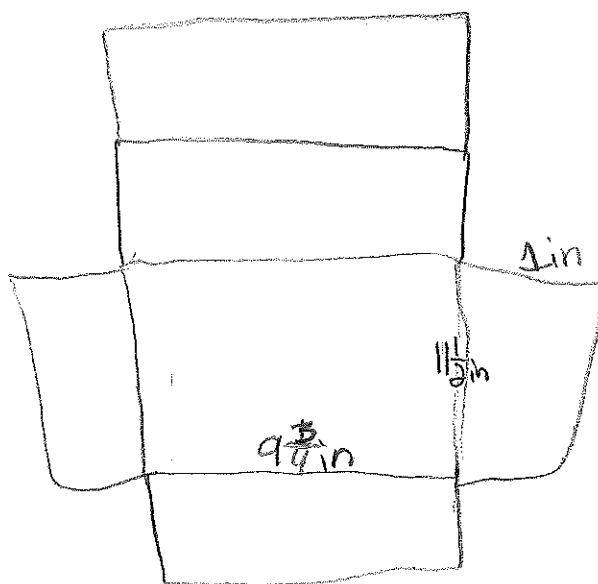
School supplies are in high demand right now, but not all the packaging has been designed. As a packaging engineer, you have been hired to create a box to ship individual binders. The dimensions for the binders are below.



Dimensions of binder: $9\frac{3}{4}$ inches by 1 inch by $11\frac{1}{2}$ 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 5

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

94 in²

Work is
in Total
4

Task 6

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

my Second Box because it is
Better than the First Box.