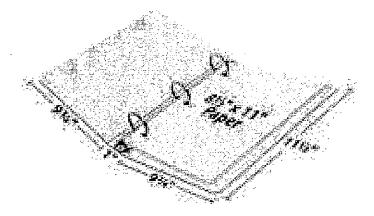
In a Bind for Boxes

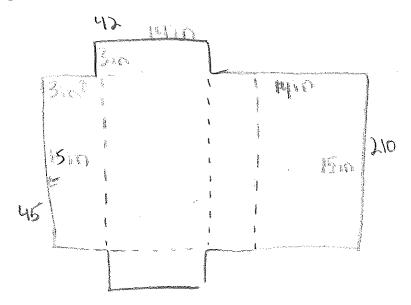
School supplies are in high demand right now, but not all the packaging has been designed. As a packaging engineer, you have been hired to create a box to ship individual binders. The dimensions for the binders are below.



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.

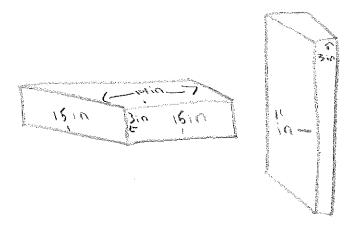




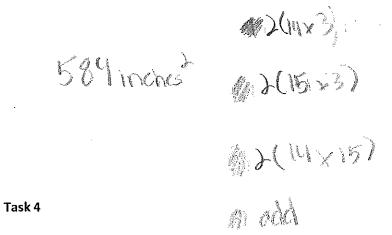
Task 2

Task 3

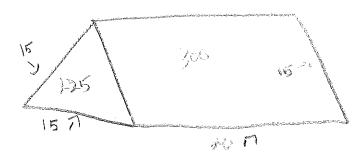
Draw the 3-dimensional diagram of the box you created above. Be sure to label side lengths.



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



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.



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



OM AN THE

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

1st multiple 15 x 20= 3000 × 3 5,000 × 3 SMES THE THOSE

dem connons. Mexit 15 x15 = 22-5 for Irrangles you - by 2, since Maries, 2 trongs you here your Task 6 Which of your two boxes should the company choose to send the binders? Why? Explain your 145. Mar reasoning.

My 1st idea. This is because its more promise to so mis and it looks better for morneling-