Appendix B

Student recording sheet for the cardboard investigation

Names _____ Date _____

Here are 16 possible box designs. How much cardboard is needed for each?

Box Design	Square Units of Cardboard Needed
$(1 \times 24) \times 1$	
$(2 \times 12) \times 1$	
$(4 \times 6) \times 1$	
$(8 \times 3) \times 1$	
$(2 \times 6) \times 2$	
$(4 \times 3) \times 2$	
$(1 \times 12) \times 2$	
$(8 \times 1) \times 3$	
$(4 \times 2) \times 3$	
$(2 \times 3) \times 4$	
$(1 \times 6) \times 4$	
$(2 \times 2) \times 6$	
$(1 \times 4) \times 6$	
$(3 \times 1) \times 8$	
$(1 \times 2) \times 12$	
$(1 \times 1) \times 24$	

THE BOX FACTORY