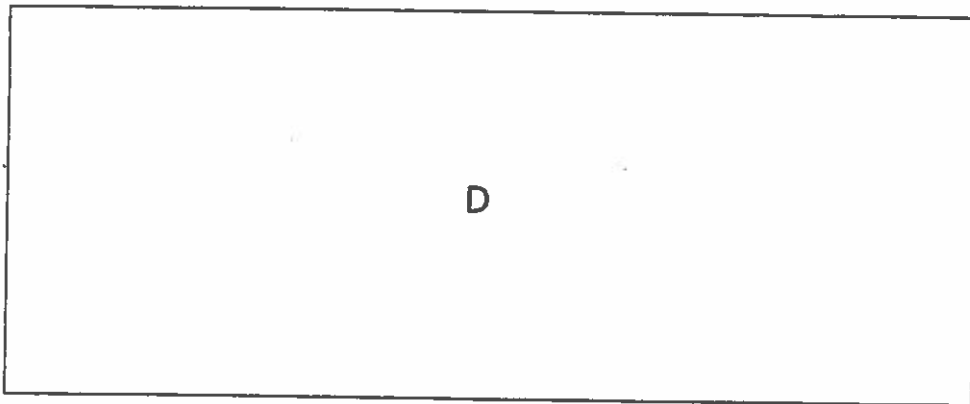
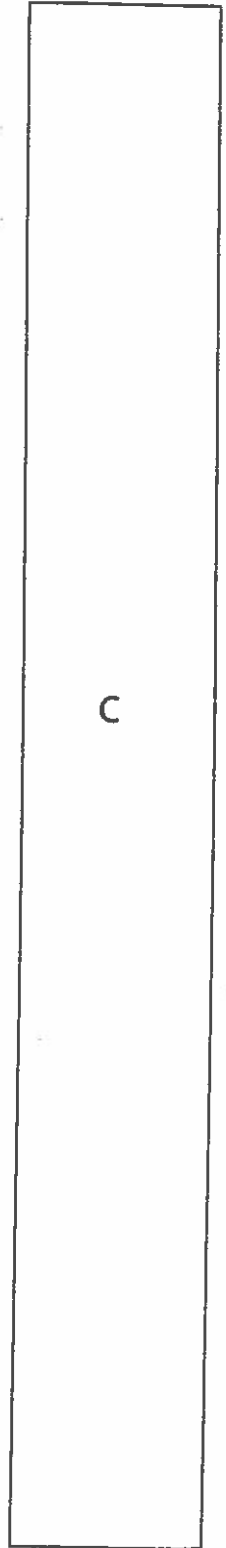
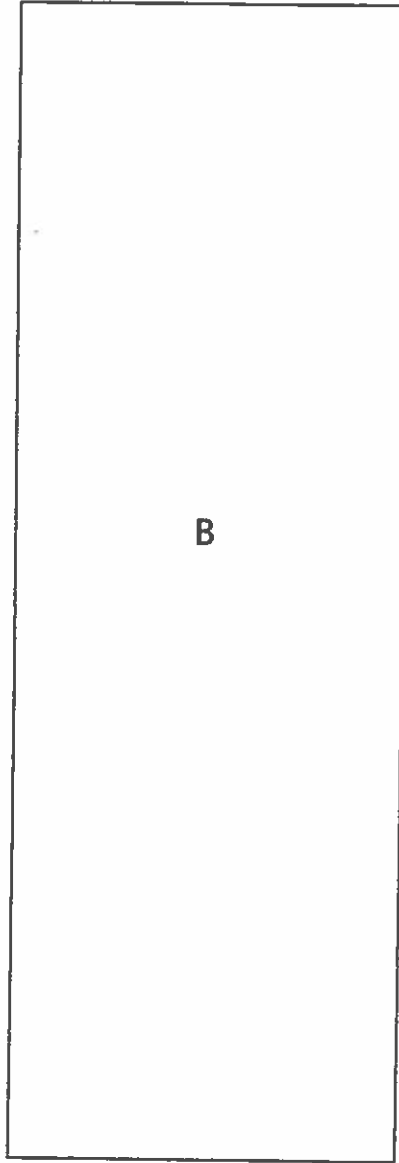
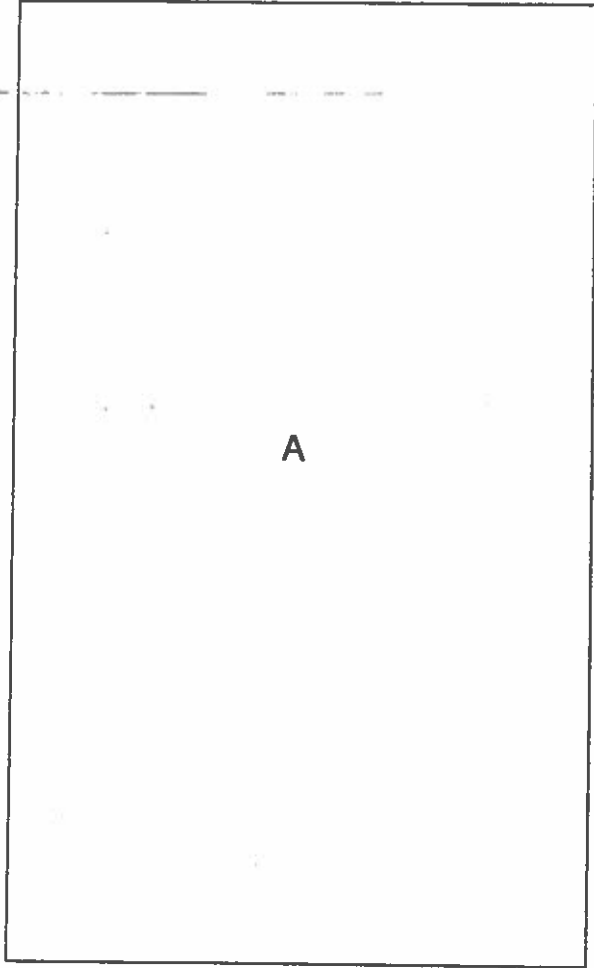


## Math Activity: Ordering Rectangles

With this sheet, you will get seven rectangles. The first two questions ask for your *first* hunches about the relative sizes of these seven rectangles. It should not take you more than 5 minutes to answer them. Spend more time on the next questions, which ask you to investigate the relative sizes more carefully.

1. Take the seven rectangles and lay them out in front of you. Look at their perimeters. Do *not* do any measuring; just *look*. What are your first hunches? Which rectangle do you think has the smallest perimeter? the largest perimeter? Move the rectangles around until you have ordered them from the one with the smallest perimeter to the one with the largest perimeter. Record your order.
2. Now look at the rectangles and consider their areas. What are your first hunches? Which rectangle has the smallest area? the largest area? Again without doing any measuring, order the rectangles from the one with the smallest area to the one with the largest area. Record your order.
3. Now, by comparing directly or using any available materials, order the rectangles by perimeter. How did your estimated order compare with the actual order? What strategy did you use to compare perimeters?
4. By comparing directly or using any available materials, order the rectangles by area. How did your estimated order compare with the actual order? What strategy did you use to compare areas?
5. What ideas about perimeter, about area, or about measuring did these activities help you to see? What questions arose as you did this work? What have you figured out? What are you still wondering about?

# Rectangles A-D



**Rectangles E-G**

