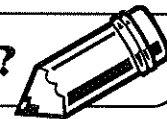


LESSON
10•8
Can Your Body Pass through an Index Card?


1. Fold a 5-inch-by-8-inch index card in the middle, along the 5-inch width of the card.
2. Hold the halves of the folded card together. Cut the card as shown by the lines in Diagram A. Some cuts start at the fold and go almost to the edge of the card. Other cuts start at the edge and go almost to the fold. Be sure the first and last cuts start at the fold. Cuts should alternate between starting at the fold and starting at the edge.
3. Open the card. Cut along the fold from X to Y as shown in Diagram B. Be careful not to cut to the edges of the card.

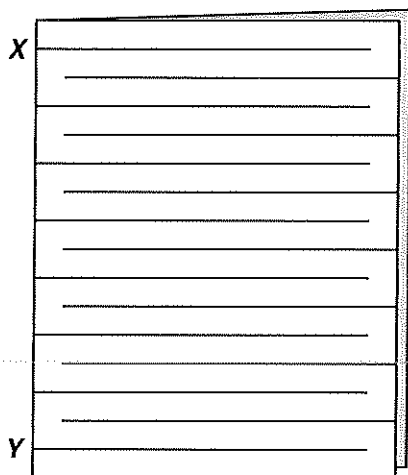


Diagram A

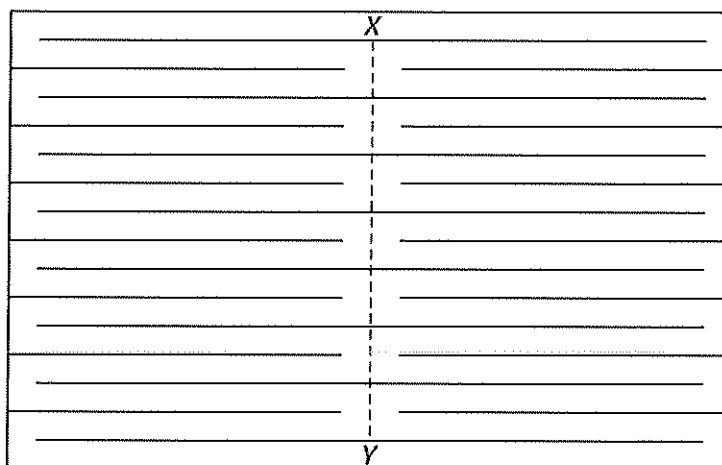


Diagram B

4. Pull the card apart carefully. You'll have a paper ring. Is it large enough for your body to pass through?

Try This

Use another 5-inch-by-8-inch index card. Can you cut out a ring that has a perimeter twice the perimeter of the ring you just made? Explain how you would do it.
