

Picture Frame Supplement

Depending on the level of the students, the teacher may wish to include the following directions for cutting out piece A. For more advanced students, the teacher may wish to tell the class that accuracy in length and angle measurements is crucial. The students could then brainstorm and determine methods for making sure that the lengths are measured accurately and all angles are 90 degrees.

- 1. For this step, use either the front or back of the cereal box, choosing a piece that does not have print on the inside of the box, if possible.*
- 2. In order to produce a quality product, it is very important to be very accurate in placing the ruler and marking the measurements.*
- 3. Using the following method, cut a 6 x 8 rectangle from the front of the box.*
- 4. Place a ruler against one edge of the front of the box.*
- 5. With the ruler's zero mark on a short edge mark a point 8 inches from that short edge.*
- 6. With the ruler's zero mark still on the same short edge, slide the ruler so it is against the second long edge.*
- 7. Again, measure and mark a point 8 inches from the short edge.*
- 8. Use the ruler and a pencil to connect the two points, extending the line to both long edges of the box.*
- 9. Now turn the cardboard 90 degrees.*
- 10. Again, place the ruler against a short edge with the zero mark on a long edge.*
- 11. Measure and mark a point 6 inches from the long edge.*
- 12. With the ruler's zero mark still on the same long edge, slide the ruler so it is against the second short edge.*
- 13. Again, measure and mark a point 6 inches from the long edge.*
- 14. Use the ruler and a pencil to connect the two points, extending the line to both short edges of the box.*
- 15. You should now see 4 rectangles. One of which is 6 by 8 inches. Carefully cut this rectangle out.*