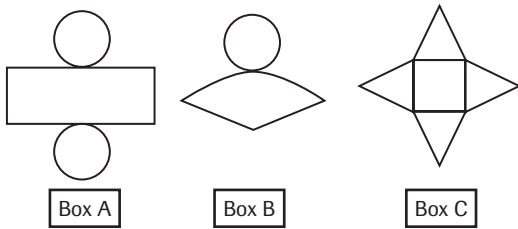


Problem Solving: Visual Thinking

TAKS Objective 6
TEKS 3.14C

Visualize and ask yourself questions to solve each problem.

1. Randy folded each of the boxes shown below and placed a candle in each. One of the candles he boxed is the shape of a pyramid. Which box did he use?



2. Which box from Problem 1 will be a cylinder when folded?

3. What shape will the remaining box in Problem 1 become when folded?

4. Roger lined up candles in a row on a table. He put a red candle next to a white candle next to a blue candle, next to a gray candle. If he sticks with this pattern what color will the 12th candle be? Visualize the problem by drawing a picture.

5. Jill bought 5 boxes of candles. Each box contains 12 candles. Two candles in one box were broken. Three candles were missing from another box. How many unbroken candles does Jill have? Make a table to help you visualize the problem and answer.

6. Earl's candle burns an inch every 30 minutes. If the candle is 6 inches tall, how many hours before it is completely gone? Remember, there are 60 minutes in an hour.