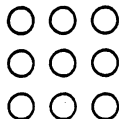


## CREATIVE THINKING

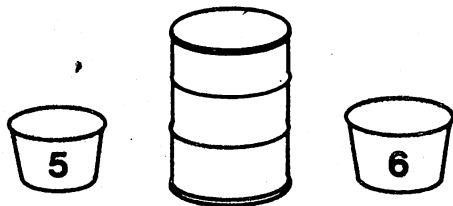
1. How would you arrange 10 presents so there will be five rows of presents with four presents in each row? Draw your solution.



2. Below are nine balls. Your group's task is to draw four straight lines through all nine balls. You are not allowed to lift your pencil from the paper, pass through any ball twice or retrace any line. You may cross one line one time only.



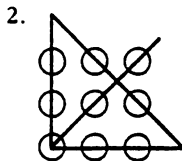
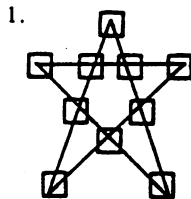
3. Your task is to pour exactly 13 gallons of water into a barrel. However, you have only one 5-gallon bucket and one 6-gallon bucket. How can you do it?



4. How would you arrange six sticks into four equilateral (equal-sided) triangles? Draw your solution.



## CREATIVE THINKING SOLUTIONS



3. Pour two 6-gallon buckets of water into the barrel. Then pour another 6-gallon bucket of water into the 5-gallon bucket, filling it to the rim. There will be 1 gallon of water left in the 6-gallon bucket—pour that water into the barrel to make 13 gallons.

4. Place three sticks flat on the floor in the shape of a triangle. Then form a three-sided pyramid with the remaining three sticks by placing one end of each stick at a corner of the triangle and the other end of each stick leaning against the tips of the other two. See the diagram below.

