1. Four lines intersect in one point, forming eight congruent angles that are not overlapping. What is the measure, in degrees, of one of these angles?
   Show your work.

2. A teacher is to be assigned to teach 5 different courses in 5 different class periods on Mondays. If exactly one course meets each period, how many different assignments of courses to these class periods are possible for Mondays?
   Show your work.

3. What is the least number of twos that can be multiplied together to yield a number greater than 50?
   Show your work.