

Handout: Real World Problems

1. Think of some examples in the real world that come in pairs (for instance, arms, legs, dance couples).
2. If 31 tennis players were signed up for a tournament, why must one person have a bye in the first round?
3. Suppose a high school class has 80 students, and there's a school dance.
Does that automatically mean each boy will have a girl to dance with?
4. Suppose I am excellent in cutting things in half, but there are thirteen people at my party, can I share my cake evenly?