

## Handout: Same strategy, different questions

For each of the following questions, try the same strategy sequence from the previous handout:

### **Guess, Simplify, Upend Problem.**

1. Suppose your friend has slept the night and needed to borrow a pair of socks too. So you now need two pairs.  
How many socks do you have to pull out to guarantee two pairs? (still SEVEN colors).  
[Hint: Not just  $2 \times 8$ , but that's a great first guess. Try with ONE color, then TWO colors, then THREE colors.]
2. How would this change if your whole class has slept the night? ...And everyone needs to borrow socks!
3. How would this change if you were a three-footed monster?!
4. What if your whole class has slept over and you're all three-footed monsters!?