

Sometimes RPs will just be listed on the course web site, but other times, they may have their own special handout, like this one. When you are listing where each question came from (see the instruction handout for RP format), just call this one RP #1.

1. Bart explains that when you add three-digit numbers, you first write them one above the other with their rightmost digits lined up, and then you start adding in the righthand column, moving one column at a time toward the left. Is Bart explaining how, explaining why, explaining a mix of both, or not explaining either very well?
2. Lisa explains that when you add three-digit numbers, we add digits in each column only to other digits in the same column because they have the same place values (ones, tens, hundreds, etc.). Is Lisa explaining how, explaining why, explaining a mix of both, or not explaining either very well?
3. Marge explains that she wants to use Make a List as a problem-solving strategy for a particular problem because the problem features a lot of options and she wants to keep them organized. Is Marge explaining how, explaining why, explaining a mix of both, or not explaining either very well?
4. Homer explains that he wants to use Elimination as a problem-solving strategy for a particular problem by listing each person's name and listing the days of the week, then crossing out the days each person CANNOT work. Is Homer explaining how, explaining why, explaining a mix of both, or not explaining either very well?
5. Mr. Burns explains that he wants to use Algebra/an Equation as a problem-solving strategy for a particular problem because it's the easiest way to do it. Is Mr. Burns explaining how, explaining why, explaining a mix of both, or not explaining either very well?
6. In each setting below, which of Polya's Four Steps seems MOST to be the focus (that is, person is IN that step, or struggling with that step, etc.)?
 - (a) Sheldon isn't sure whether he wants to try Algebra or Guess and Check to solve a particular problem.
 - (b) Amy made a table where one column has the numbers 1, 2, 3, 4, 5, another has the numbers 15, 20, 25, 30, 35, and a third column has the numbers 0, 1, 0, 1, 0.
 - (c) Leonard has to find the perimeter of a shape. "Are perimeter and area the same?," he asks.
 - (d) Raj is answering a question that asks for total money. "There are ten quarters and six dimes," he announces.
 - (e) Penny's work shows that there are 15.763 people on the bus. "I'm suspicious," she muses.

Follow RP rules: None of the above questions seem to require computational work, so remember to EXPLAIN your own choice of the final answer in each case.