Problem Solving – Answer key

1. When brainstorming, keep the problem in mind to avoid writing down irrelevant ideas.
2. True
3. False
4. The divergent part of problem solving focuses on quantity of solutions.
5. True
6. False
7. A possible "tool" for solving simple problems is outsourcing.
8. True
9. False
10. The Scientific Method is an example of an Analytic Problem Solving Method.
11. True
12. False
13. There is no single correct answer in Analytic Problem Solving.
14. True
15. False
16. "Why are we solving this problem?" is one question you should ask yourself for Creative Problem Solving.
17. True
18. False
19. A method for verifying an answer is to ask someone with experience to review your results.
20. True
21. False
22. Estimation provides answers to problems quickly and can verify.
23. True
24. False
25. The goal of brainstorming is to stimulate your mind to trigger concepts or ideas that normal problem solving might miss.
26. True
27. False
28. You should master two to three problem solving strategies to rely on.
29. True
30. False
31. The road to coming to a solution is just as important as the solution.
32. True
33. False
34. The convergent part of the process at each Creative Problem—Solving stage involves:

 Select one:

1. Finding the best possibility and continuing
2. Focusing on the quality of solutions
3. Using analytical and evaluative tools to narrow results
4. All of these are correct
5. Which of the following is a method of verification you could use to verify an answer?

 **Select one:**

1. Estimation
2. Repeating
3. Comparisons
4. All of these are correct
5. Generating as many potential solutions as possible without judging any of them is the goal for:

 Select one:

1. Group brainstorming
2. All of these are correct
3. Individual brainstorming
4. None of these are correct
5. "Dividing the process into steps allows you to break a large, complex problem into simpler problems where your various skills can be used" is a good description of:

 Select one:

1. Analytic Problem Solving
2. Creative Problem Solving
3. All of these are correct
4. None of these are correct