

Problem Solving – Answer key

- 1) **When brainstorming, keep the problem in mind to avoid writing down irrelevant ideas.**
 - a) True
 - b) False
- 2) **The divergent part of problem solving focuses on quantity of solutions.**
 - a) True
 - b) False
- 3) **A possible "tool" for solving simple problems is outsourcing.**
 - a) True
 - b) False
- 4) **The Scientific Method is an example of an Analytic Problem Solving Method.**
 - a) True
 - b) False
- 5) **There is no single correct answer in Analytic Problem Solving.**
 - a) True
 - b) False
- 6) **"Why are we solving this problem?" is one question you should ask yourself for Creative Problem Solving.**
 - a) True
 - b) False
- 7) **A method for verifying an answer is to ask someone with experience to review your results.**
 - a) True
 - b) False
- 8) **Estimation provides answers to problems quickly and can verify.**
 - a) True
 - b) False
- 9) **The goal of brainstorming is to stimulate your mind to trigger concepts or ideas that normal problem solving might miss.**
 - a) True
 - b) False

10) You should master two to three problem solving strategies to rely on.

- a) True
- b) False

11) The road to coming to a solution is just as important as the solution.

- a) True
- b) False

12) The convergent part of the process at each Creative Problem—Solving stage involves:

Select one:

- a) Finding the best possibility and continuing
- b) Focusing on the quality of solutions
- c) Using analytical and evaluative tools to narrow results
- d) All of these are correct

13) Which of the following is a method of verification you could use to verify an answer?

Select one:

- a) Estimation
- b) Repeating
- c) Comparisons
- d) All of these are correct

14) Generating as many potential solutions as possible without judging any of them is the goal for:

Select one:

- a) Group brainstorming
- b) All of these are correct
- c) Individual brainstorming
- d) None of these are correct

15) "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:

- a) Analytic Problem Solving
- b) Creative Problem Solving
- c) All of these are correct
- d) None of these are correct