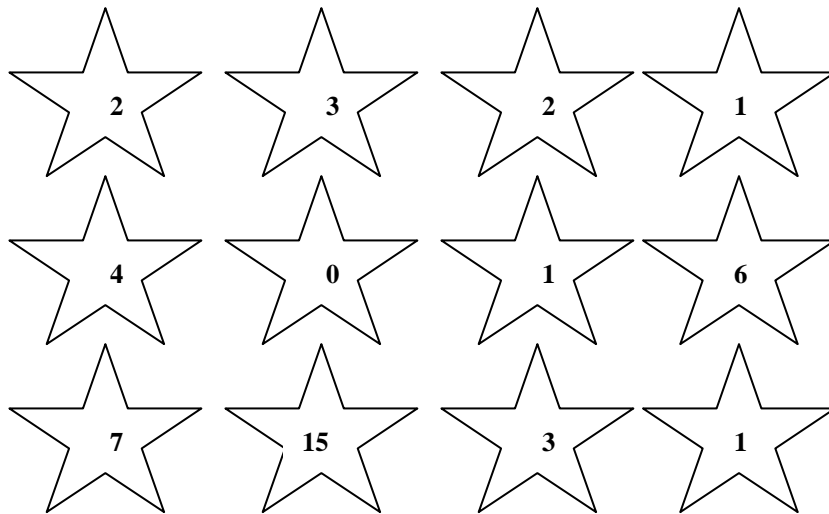
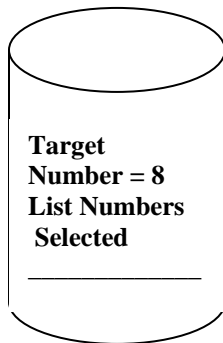


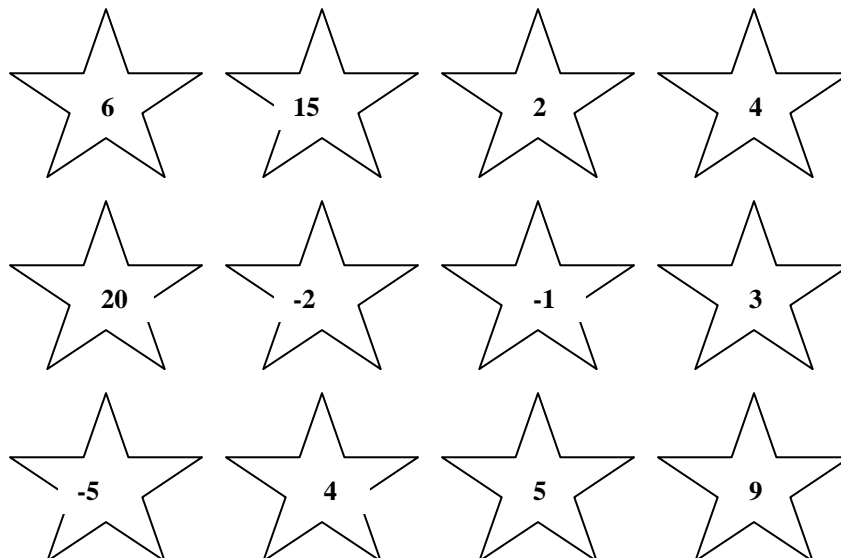
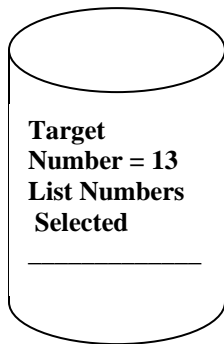
Training Mission - Shooting Star Answer Key

Directions: Mathbot invited you to the fair. You are going to play the Shooting Star game. Select 4 to 7 stars which, when added together, will hit the target number. Each star can only be used once. List the numbers that you use.

Game 1 Game 1 answers will vary. The sum of the stars should equal 8 and there should be between 4 and 7 stars used. One example answer: 3,2,2,1



Game 2 Game 2 answers will vary. The sum of the stars should equal 13 and there should be between 4 and 7 stars used. One example answer: 6,4,5,-2



Game 3 Game 3 answers will vary. The sum of the stars should equal -2 and there should be between 4 and 7 stars used. One example answer: 10, 3, -12, -3

Target Number = -2
List Numbers Selected _____

10	-8	3	20
6	-1	0	-3
-4	1	-5	-12

Summing it Up: Describe the strategy you used to play shooting star. Did your strategy change when negative numbers were introduced in game 2 and 3?

Answers will vary. The students should describe at least one strategy and explain changes, if any that were made in the strategy during games two and three.