

## Answer Sheet

### Statistics Summer Math

1. 10
2. 18
3. 2
4. 12250
5. 20625
6. 15944
7. Mean =13.9, median = 12, mode = 7
8. NO! Your maximum profit is \$50,000 and this plan would only give you a profit of \$42,000
9. \$1,000
10. NO! 15 batches would give you \$26,000. Add the \$22,500 to the \$26,000 you get \$48,500. You maximum profit is \$50,000
11. 3.16
12.  $x \geq 20$
13.  $x \leq 3$
14.  $x < 7$
15.  $x > 18$
16. mu
17. sigma
18. beta
19. chi
20. 8
21. 36
22. A)\$50, B)\$70, C)\$75, D)\$50 numbers between 50 and 80 earn \$90
23. 28
24. 30%
25. 85%
26. 15%
27. 2%
28. Spade, club, diamond, heart
29. 13
30. 2
31. .1856
32. .7402
33. .1856
34. 0
35. 99.8
36. .67 hours or 40 minutes