**Unit 2 Test Review Solutions**

1. (a) 60 chubby dogs (b) Diet and Exercise Plan
2. Observational study therefore no cause and effect can be determined.

|  |  |
| --- | --- |
| Convenience | No |
| SRS | Yes |
| Cluster | Yes |
| Systematic | Yes |
| Stratified | Yes |

1. E
2. Matched Pairs
3. No, all the toys do not have an equal chance being selected due to selecting toys from each assembly line versus an entire collection of toys.
4. D
5. No bad sweet potatoes: 0 – 3/ 00 – 39

1 bad sweet potatoes: 4 – 6 / 40 – 69

2 bad sweet potatoes: 7 – 9/ 70 – 99

1. (a) 5 volunteers (b) aspirin (c) 2 (extra strength aspirin & No aspirin) (d) 5 (e) BAC
2. Question Wording or Response Bias
3. Question Wording

12.

White box

White Bag

White Roll

Green Box

Compare Candy Sales

Green Bag

Green Roll

Silver Bag

Silver Box

Silver Roll

1. Varies