

Homework Answers 9.7

Because each person's data will be different, it is not possible to give solutions to most of this assignment.

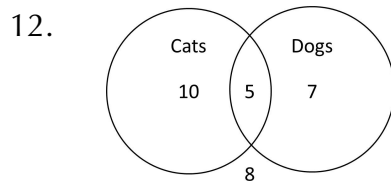
Ready

1. Answers will vary
2. Answers will vary
3. Answers will vary
4. Answers will vary
5. Answers will vary
6. The distribution will become closer to a normal distribution.

Set

7. Answers will vary
8. Answers will vary If you cannot get Stick or Switch to work, use these values
Stick: Win – 5 Lose – 15
Switch: Win – 17 Lose – 3
9. Answers will vary
10. Answers will vary
11. Answers will vary

Go (answers will be based on this unrelated venn diagram, given in #12, so you can compare where the numbers may come from)



13. $P(\text{cats}) = \frac{15}{30}$
14. $P(\text{cats} \cap \text{dogs}) = \frac{5}{30}$
15. $P(\text{cats} \cup \text{dogs}) = \frac{22}{30}$
16. $P(\text{only dogs} \mid \text{have dogs}) = \frac{7}{12}$
17. $P(\text{having a pet or not having a pet}) = \frac{30}{30}$
18. No, give explanation using probabilities.