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**AFM Unit 5: Probability Homework Day 4**

1. The odds are 7 to 5 that the Boston Celtics win in the conference championship game on Saturday night. What is the probability that they will win?

2. The probability of Jason getting accepted at the University of Michigan is $\frac{3}{4}$ ? What are the odds he will not get in?

**John has the following variety of CDs, in no particular order, in a carrying case: 5 rap, 9 rock, 4 country, and 2 pop. Two are selected at random. Find the probability of each.**

3. P(2 rap) 4. P(2 rock) 5. P(2 country) 6. P(1 rap and 1 rock)

**A number cube is thrown two times. What are the odds of each event occurring?**

7. no fives 8. both fives

**Of seventeen students in a class, five have blue eyes. Two students are chosen at random. Find the probability of each selection. Then find the odds of that selection.**

9. P(both have blue eyes) 10. P(neither has blue eyes) 11. P(at least one has blue eyes)

**From a deck of 52 playing cards, 7 are dealt. What is the probability of each event occurring?**

12. all kings 13. all face cards