Name: _____ Date: _____

BLM 5–3

Section 5.1 Extra Practice

For #1 to #4, state the probability of each outcome. Write each answer as

a) *a fraction* ***b)*** *a decimal* ***c)*** *a percent*

Example: You choose a spade from a deck of playing cards.

a) $\frac{13}{52} = \frac{1}{4}$ **b)** $\frac{1}{4} = \frac{25}{100} = 0.25$ **c)** $0.25 \times 100\% = 25\%$

1. You flip a coin. It turns up heads.

2. You spin a spinner that has 5 equal sections: red, blue, green, yellow, and purple. The spinner stops at yellow.

3. A bag contains the letters C, D, D, A, S, T. You choose a D.

4. You have 2 dimes and 2 nickels in your pocket. You reach in your pocket and choose a quarter.

For #5 and #6,

a) *rewrite the question*
b) *give the probability of the favourable outcome as a fraction, a decimal, and a percent*

Example: A bowl has 10 peanuts: 3 salted, 2 barbecue flavoured, and 5 unsalted. What is the probability of choosing a salted peanut?

a) What is *P*(salted)?

b) $\frac{\text{number of favourable outcomes}}{\text{number of possible outcomes}} = \frac{3}{10} = 0.3 = 0.3 \times 100\% = 30\%$

5. What is the probability of choosing an unsalted peanut in the example above?

6. What is the probability of choosing a barbecue-flavoured peanut in the example above?

For #7 to #9, write each answer as a fraction, a decimal, and a percent.

7. A spinner has 5 equal-sized regions labelled N, A, M, E, S. What is *P*(M)?

8. In #3, what is the probability of picking a vowel?

9. In #3, what is *P*(consonant)?