## MTH 105 Introduction to Contemporary Mathematics

## Practice with Percentages

1. Sup	opose I flip a coin and get 40 heads and 60 tails, what percentage of the flips was heads?
2. Wł	nat percentage of the cards in a deck are diamonds?
did	opose you roll a die 40 times and you get a six 10 times. What percentage of the time you get a six? What percent of time did you not get a six? What do you think about s die?
car the	move three cards from a deck of playing cards: one black and two red. From those three ds choose one at random and record the color. When you repeat the experiment, put e card back and mix the cards up.  Repeat this experiment with a partner 3 times. What percentage of the time did you get red? Is that what you expected? Explain.
(b	) Repeat this experiment with a partner, but this time do it 12 times. What percentage of the time did you get red? Is that what you expected? Explain.

	(c) Repeat this experiment with a partner, but this time do it 36 times. What percentage of the time did you get red? Is that what you expected? Explain.
5.	I have 185 coins. If $20\%$ of the coins are pennies, how many are pennies?
6.	I have a collection of nickels and dimes only. If $40\%$ of the coins are nickels and 99 of the coins are dimes, how many nickels do I have?