



Practice – Part 1

Instructions: Answer each of the following practice questions on a separate piece of paper. Step by step solutions are provided under the Solutions tab. You will learn the material more thoroughly if you complete the questions before checking the answers under the Solutions tab in Moodle.

1. There are 6 blue morpho butterflies and 9 lacewing butterflies in a display case at the zoo. One of the 15 butterflies escaped.

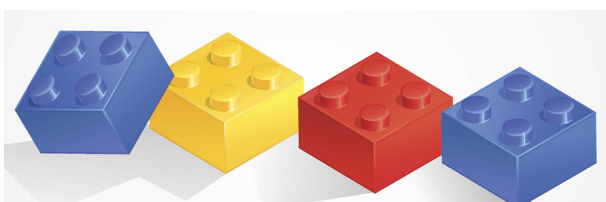
Blue Morpho Butterfly



Lacewing Butterfly



- a. What is the probability that a blue morpho butterfly escaped?
 - b. What is the probability that a lacewing butterfly escaped?
 - c. What is the probability that a monarch butterfly escaped?
 - d. Which type of butterfly is more likely to escape?
2. Four LEGO® blocks are in a pile. One LEGO® block is chosen randomly.



- a. What is the probability of choosing a red LEGO® block?
- b. What is the probability of choosing a blue LEGO® block?
- c. What is the probability of choosing a yellow LEGO® block?
- d. Which outcome is the most likely: choosing a red LEGO® block, choosing a blue LEGO® block, or choosing a yellow LEGO® block?