

Name _____

Date _____

Problems Involving and & or: Lesson

Problem:

What is the probability of getting number 2 or 3 when dice numbered from 1 to 6 are rolled?

Solution:

Step 1: Probability of rolling 2, $P(A) = 1/6$

Step 2: Probability of rolling 3, $P(B) = 1/6$

Step 3: Probability of drawing 2 or 3 = $P(A) + P(B) - P(A \text{ and } B)$

$$= 1/6 + 1/6 - 0$$

$$= 2/6 = 1/3$$

Step 4: **Answer:** $1/3$

Practice Problems

Complete the following problems

A. What is the Probability of getting a 2 or 5 in one roll of a die?

B. P (Queen of spades in a deck of cards)