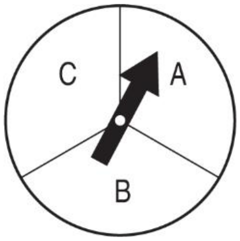
NAME ____ DATE ___________________________ PERIOD ____________

T3-01 Worksheet

Probability of Compound Events

The spinner at the right is spun twice.



1. What is the sample space of spinning the spinner twice?

2. What is the probability of getting at least one A?

For each situation, represent the sample space using any diagram. Then find the indicated probability.

3. You have a 6-sided die and a coin.

a) Show the sample space below.

b) Find the theoretical probability of getting 3 and tales.

4. You have four blocks (red, blue, yellow, and green) in a bag. You are also tossing a coin.

a) Show the sample space below.

b) Find the probability of choosing a yellow block and tossing heads.

5. Choosing between the numbers 1, 2 or 3, and the colors blue, red, or green

a) Show the sample space below.

b) Find the theoretical probability of choosing a 2 and red or green.

6. You are rolling two dice.

a) Show the sample space below.

b) Find the theoretical probability of rolling an even number and a 6.

7. Johnny is rolling a die 25 times. His results are shown to the right:

a. What is Johnny's experimental probability of rolling a 5?

b. What the the theoretical probability of rolling a 5?

c. Compare Johnny's experimental probability to his theoretical probability. Are they close or not close? Explain how you know.

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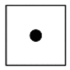
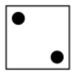
	4 times
	8 times
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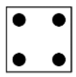	1 time
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