Name: _____ Date: _____

BLM 11–10

Section 11.3 Extra Practice

Write your answers for #1 in your notebook.

1. Shea-Lee rolled a regular die and recorded the results in a tally chart.

Number on Die	Tally
1	𝍸 |
2	𝍸 ||
3	𝍸 𝍸 ||
4	𝍸 𝍸
5	𝍸 |
6	𝍸 𝍸 𝍸

a) How many times in total did Shea-Lee roll the die?

b) What is the experimental probability of rolling a 3?

c) What is the theoretical probability of rolling a 3?

d) Which number's experimental probability matches its theoretical probability?

e) What could Shea-Lee do to get all of the numbers to match their theoretical probability better?

2. Mallory rolls a six-sided die and Rose flips a coin.

a) Draw a tree diagram in your notebook. What is the probability of the girls getting tails and an odd number? _____

b) Use multiplication to get your answer. _____

c) What is this same probability written as a percent and as a decimal?

_____

3. Bill and Ravi made two spinners, one with eight equal sectors each with a different colour, and one with 25 equal sectors each with a different number. Determine the probability of spinning black and 15 as quickly as possible.

a) Determine *P*(black, 15). _____

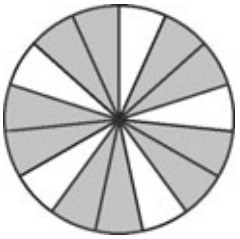
b) Write this probability as a fraction, a decimal, and a percent.

_____

c) Why is calculating the answer easier than drawing a table or a tree diagram?

_____

4. Ivan created a spinner for a simulation. He knew the theoretical probability for an event was $\frac{2}{3}$. This is the spinner he created. Is this a fair spinner for the simulation? Explain your thinking.



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