

Master 11.18

Extra Practice 1

Lesson 1: The Likelihood of Events

- Describe a situation that is:
 - likely but not certain
 - unlikely but possible
 - impossible
 - certain
- Describe each outcome.
Use the words: *impossible, unlikely, likely, certain*.
 - Someone in your class will win the lottery.
 - It will rain tomorrow.
 - You will go skiing tomorrow.
 - A dog will fly by the classroom window.

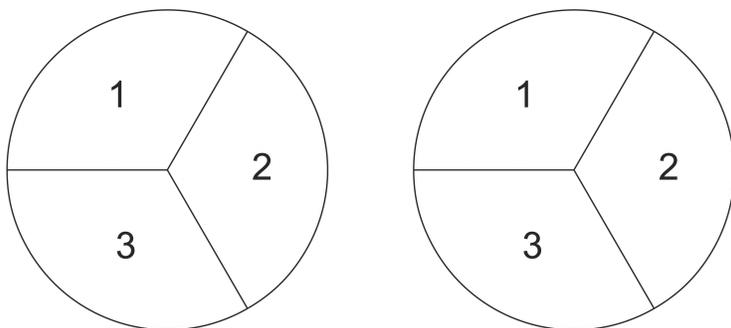
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Extra Practice 1

Lesson 2: Calculating Probability

- Suppose you spin the pointers on these two spinners and add the results.



- What are the possible sums you can produce?
- What is the probability that you will produce a sum of 6?

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Extra Practice 2**Lesson 3: Probability and Fractions**

1. Tara has a collection of small stuffed animals.
She has 10 bears, 4 dogs, 4 cats, and 2 rabbits.
Suppose Tara puts all her animals in a pillowcase and picks one without looking.
Use a fraction to describe the probability that she will pick:
a) a bear b) a rabbit c) a dog
2. Max has a bag of 25 candies. The probability of choosing a lemon candy is $\frac{1}{5}$.
The probability of choosing a mint candy is $\frac{2}{5}$. How many lemon candies are in the bag? How many mint candies are in the bag?

Name _____ Date _____

Extra Practice 2**Lesson 4: Tree Diagrams**

1. Omar's class is painting pottery.
Students can choose to paint a bowl, a plate, or a mug.
They can use blue, green, yellow, or purple paint.
a) Use a tree diagram to show all the different pieces of pottery Omar could make.
b) What fraction of the choices are mugs?
c) What is the probability that a student will paint a yellow mug?

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Extra Practice 3

Lesson 6: Probability in Games

1. Brajit and Annie have an envelope containing 6 paper clips: 2 yellow, 2 green, and 2 blue. They play a game. Each person pulls a paper clip from the envelope without looking. If the clips are the same colour, Brajit wins a point. If the clips are different colours, Annie wins a point. Is this a fair game? Explain your thinking.
2. Design a fair game using coloured paper clips.