

LESSON 34: Uniform and Non-Uniform Probability Models

Homework

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Name _____ **Date** _____

Directions: Answer the questions below about probability models.

Marbles in a Bag	Probability
4 Blue	
6 Yellow	
3 Red	
5 Green	

Marbles in a Bag	Probability
3 Blue	
3 Yellow	
3 Red	
3 Green	

- Using the data about the marbles, complete the probability models.
- What type of probability model is displayed in the table on the left?
- What type of probability model is displayed in the table on the right?
- Explain how you can distinguish between the two probability models.
- If 10 trials are run where a marble is chosen, recorded, and then placed back in the bag, what do you expect the outcome to display for each trial?
- What do you expect the outcomes to display if 100 trials are completed?