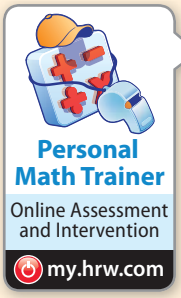

YOUR TURN

8. A toy machine has equal numbers of red, white, and blue rubber balls. Ross wonders which color ball will come out of the machine next. Describe how you can use a standard number cube to model this situation. Then use a simulation to predict the color of the next ball.

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Guided Practice

1. Toss a coin at least 20 times. (Explore Activity and Example 1)

a. Record the results in the table.

Outcome	Number of Times	Experimental Probability
Heads		
Tails		

b. What do you think would happen if you performed more trials?

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2. Rachel's free-throw average for basketball is 60%. Describe how you can use 10 index cards to model this situation. Then use a simulation to predict how many times in the next 50 tries Rachel will make a free throw. (Example 2)

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ESSENTIAL QUESTION CHECK-IN

3. **Essential Question Follow Up** How do you find the experimental probability of a simple event?

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