Reflect

6. Why do the probability of an event and the probability of its complement add up to 1?

_____

_____

_____

_____

_____

YOUR TURN

7. A jar contains 8 marbles marked with the numbers 1 through 8. You pick a marble at random. What is the probability of not picking the marble marked with the number 5? _____

8. You roll a standard number cube. Use the probability of rolling an even number to find the probability of rolling an odd number. _____
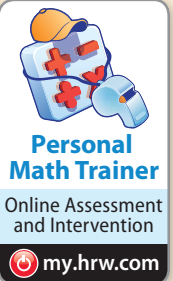
Guided Practice

1. In a hat, you have index cards with the numbers 1 through 10 written on them. Order the events from least likely to happen (1) to most likely to happen (8) when you pick one card at random. In the boxes, write a number from 1 to 8 to order the eight different events. (Explore Activity)

You pick a number greater than 0.

You pick an even number.

You pick a number that is at least 2.

You pick a number that is at most 0.

You pick a number divisible by 3.

You pick a number divisible by 5.

You pick a prime number.

You pick a number less than the greatest prime number.