Name _____ Date _____

Ready® Mathematics

Lesson 30   Quiz

Solve the problems.

1 Draw a line from each probability to the word or phrase that best describes the probability.

$\frac{1}{4}$		Certain
0.0		Equally Likely
$\frac{5}{10}$		Impossible
100%		Likely
$\frac{75}{100}$		Unlikely

2 Jason has a bag of tiles with the letters from the word IMPOSSIBLE. He pulls a random tile out of the bag. Which outcomes are more likely than not?

Choose all that apply.

A pulling a vowel

B pulling a consonant

C pulling an E or a P

D pulling an L, M, or S

E pulling an I, O, P, or S

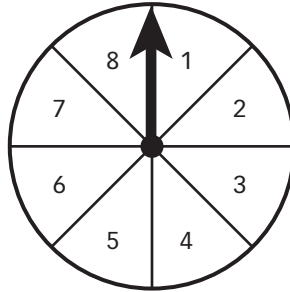**3** Consider each of the situations described below.

Choose *Likely* or *Unlikely* to describe the probability of the outcome for each situation.

a. According to the weather report, there is a 25% chance it will snow today. It snows today.   ☐ Likely   ☐ Unlikely

b. A bag has 50 tiles: 35 red, 10 blue, and 5 green. Michael reaches in the bag and selects a red tile.   ☐ Likely   ☐ Unlikely

c. There is a 15% chance that a person wins a raffle prize. Ms. Ragland wins a raffle prize.   ☐ Likely   ☐ Unlikely

d. A spinner has eight equal-sized sections with three labeled A and five labeled B. Renee spins the spinner and it lands on B.   ☐ Likely   ☐ Unlikely

Lesson 30 Quiz continued

4 The spinner shown has eight equal-sized sections. Eli spins the spinner once.

Write a word or phrase from the box to correctly describe the probability that each event will occur.

| impossible   unlikely   equally likely   likely   certain |

Landing on a number greater than 6: _____

Landing on the number 0: _____

Landing on an odd number: _____

Landing on a number greater than 2: _____

Landing on an integer: _____

5 Naveen has a bag that contains 6 blue marbles, 3 green marbles, and 1 red marble. He will draw one marble randomly from the bag.

Naveen is studying the effects of adding and removing marbles from the bag. Write a number in each blank to correctly complete the statements.

If Naveen wants to make sure that drawing a red marble is equally likely as drawing

a different color marble, then he could add _____ red marble(s) to the bag.

If Naveen wants to make sure that drawing a green marble is more likely than not

drawing a green marble, then he could remove _____ blue marble(s) from the bag.

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