

Counting Principle

Date _____ Period _____

Find the number of possible outcomes in the sample space.

- 1) A bag contains two red marbles and three blue marbles. You randomly pick a marble.
A) 10 B) 4 C) 5 D) 9
- 2) When a button is pressed, a computer program outputs a random odd number greater than 1 and less than 11. You press the button once.
A) 4 B) 8 C) 5 D) 1
- 3) A math quiz has five multiple choice questions. Each question has four options: A, B, C, and D.
- 4) You flip a coin nine times.
- 5) When a button is pressed, a computer program outputs a random even number greater than 0 and less than 8. You press the button six times.
- 6) A spinner can land on either red, blue, or green. You spin twice.
- 7) An ice cream stand offers single-scoop waffle-cones or bowls. Three flavors are available: strawberry, chocolate, and vanilla.
- 8) A spinner can land on either red, blue, green, yellow, purple, or orange. You flip a coin and then spin the spinner.
- 9) You flip a coin and then roll a six-sided die.
- 10) There is one quarter, one dime, and one nickel in your pocket. You randomly pick a coin from your pocket and place it on the counter. Then you pick a second coin from your pocket.

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