

TEST NAME: **Outcomes CW #1**
TEST ID: **3058768**
GRADE: **07 - Seventh Grade**
SUBJECT: **Mathematics**
TEST CATEGORY: **School Assessment**

04/19/19, Outcomes CW #1

Student: _____

Class: _____

Date: _____

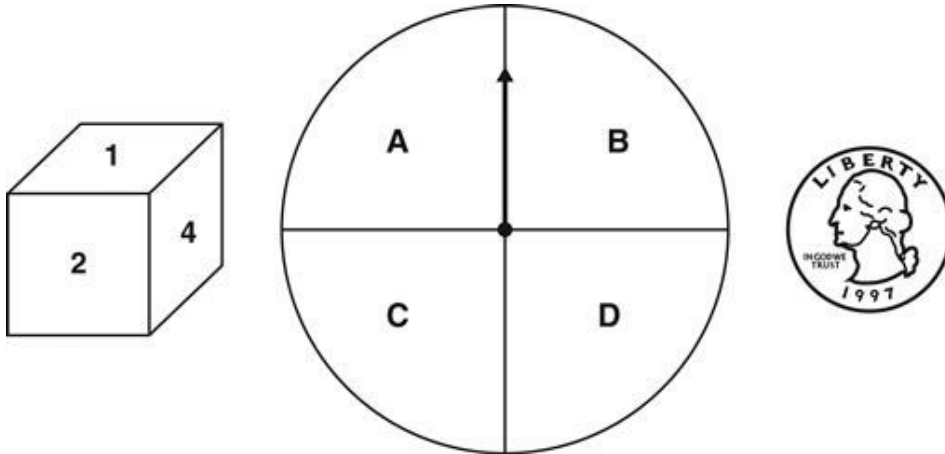
1. The table below shows the different choices for making a shake at a restaurant. Joey will randomly select one dairy, one fruit, and one topping choice.

Dairy Choices	Fruit Choices	Topping Choices
ice cream	pineapple	peanuts
yogurt	strawberry	granola
	banana	

What is the probability that Joey's shake will be made with ice cream, pineapple, and granola?

- A. $\frac{1}{12}$
- B. $\frac{1}{6}$
- C. $\frac{3}{12}$
- D. $\frac{3}{7}$

2. Tina is playing a game where she rolls a fair number cube numbered 1 through 6, spins the spinner, and tosses the quarter shown.



Which shows all the possible unique combinations of an even number on the number cube, B or C on the spinner, and tails on the quarter?

A. Possible Outcomes

2	B	Tails
4	C	Tails
6	B	Tails

B. Possible Outcomes

2	B	Tails
4	B	Tails
6	B	Heads
2	C	Heads
4	C	Heads
6	C	Heads

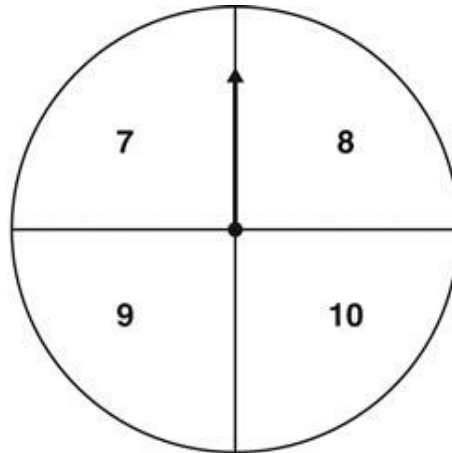
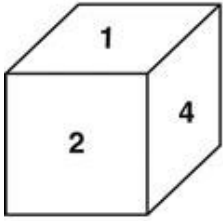
C. Possible Outcomes

2	B	Tails
4	B	Tails
6	B	Tails
2	C	Tails
4	C	Tails

D. Possible Outcomes

2	B	Tails
4	C	Tails
6	B	Tails
2	C	Tails
4	B	Tails
6	C	Tails

3. Scott is playing a game. He rolls a fair number cube numbered 1 through 6 and spins the spinner shown.



Which shows all the possible unique combinations of an even number on the number cube and an odd number on the spinner?

A.

Possible Outcomes	
1	7
1	9
3	7
3	9
5	7
5	9

B.

Possible Outcomes	
1	8
1	10
3	8
3	10
5	8
5	10

C.

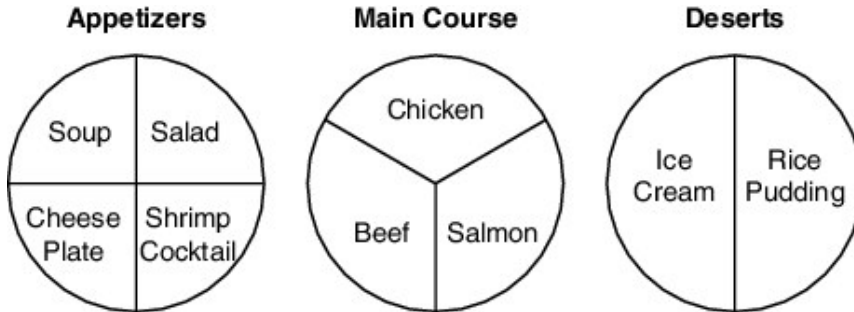
Possible Outcomes	
2	7
2	9
4	7
4	9
6	7
6	9

D.

Possible Outcomes	
2	8

2	10
4	8
4	10
6	8
6	10

4. A restaurant is celebrating its 10th anniversary by giving out free meals to the first 10 customers of the day. Each of these customers will use the spinners below to randomly determine a free three-course meal.



How many unique meals are possible?

- A. 4
 - B. 9
 - C. 12
 - D. 24
5. Mrs. Jones wants to make cookies.
- She can make chocolate, vanilla, butter, or oatmeal cookies.
 - She will add either chocolate chips, nuts, or raisins.

How many different types of cookies can Mrs. Jones make?

- A. 4
- B. 7
- C. 12

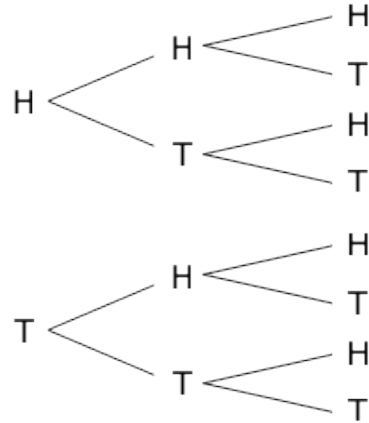
6. For picture day, Kim can choose a red or green shirt, blue or black pants, and white or brown sandals. How many different outfits are available for Kim to wear for picture day?
- A. 8
- B. 6
- C. 3
7. At a school, students may choose one entrée, one vegetable, and one dessert for lunch. The choices are listed in the table below.

Entrée	Vegetable	Dessert
baked chicken	corn	chocolate cake
spaghetti	broccoli	apple pie
tacos	green beans	brownie
	salad	

How many different lunch combinations are available?

- A. 12
- B. 36
- C. 72
- D. 144

8. Ben will toss a penny, a nickel, and a dime. The tree diagram shows the possible outcomes.



How many different outcomes are possible?

- A. 4
 - B. 8
 - C. 12
 - D. 14
9. The chart below shows the student lunch menu at a school. A lunch consists of one sandwich, one snack, and one drink.

Sandwich	Snack	Drink
turkey	apple	juice
bologna	banana	milk
peanut butter	cookies	
ham	yogurt	

How many different lunch choices does a student have?

- A. 10
- B. 16
- C. 30
- D. 32

10. Jamal will add one meat, one vegetable, and one dressing to his salad from the choices shown below.

Meats	Vegetables	Dressings
ham	tomatoes	ranch
turkey	carrots	bleu cheese
steak	celery	Italian
	onions	

How many possible salads can he make from these toppings?

- A. 10
- B. 18
- C. 36
- D. 40
11. Jerry went to a restaurant for breakfast.
- He wants to eat either pancakes or waffles.
 - He can then choose a topping: syrup, strawberries, or blueberries.
 - Jerry's choices for a drink include coffee, orange juice, or apple juice.
- If he chooses one topping and one drink, how many different choices for breakfast does Jerry have?

- A. 6
- B. 8
- C. 12
- D. 18

12. Alan is decorating for a party. He wants one color of streamer, one type of flower, and one color of tablecloth.
- The streamers can be red, blue, or yellow.
 - The flowers can be tulips, daisies, or roses.
 - The color of the tablecloth can be plaid, striped, or solid.

How many possible combinations are there?

- A. 3
- B. 9
- C. 12
- D. 27
13. Nigel went to a sandwich shop for lunch. The menu below shows the types of cheeses and meats available.

Cheeses	Meats
American	ham
cheddar	bologna
	turkey
	chicken

If Nigel chooses one cheese and one meat, how many different sandwiches are possible?

- A. 4
- B. 6
- C. 8
- D. 10