

REVIEW SHEET Unit 7 – Probability (Math 7)

Name _____

Date _____

Period _____

rev 5/2

- 1) A number cube is rolled in an experiment, and the frequency of each different roll is recorded.

Roll	1	2	3	4	5	6
Frequency	10	8	12	9	14	7

Based on the experimental results, how many times would you expect to roll a 3 in 100 trials?

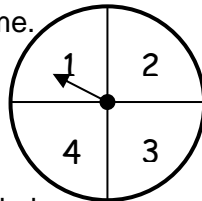
- 2) A number cube is rolled in an experiment, and the frequency of each different roll is recorded.

Roll	1	2	3	4	5	6
Frequency	10	8	12	9	14	7

What is the experimental probability of getting a 4 or a 6?

- 3) You have a spinner for a game.

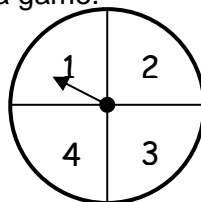
What are the chances of spinning an **even number**?



- A. impossible B. equally likely
C. highly likely D. less likely

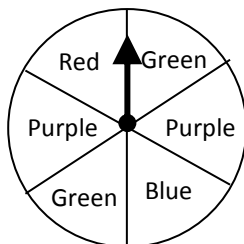
- 4) The class uses a spinner for a game.

If you spin a number greater than 4, you get a point. What statement is true about the game?



- A. The chance of getting a point is highly likely.
B. The chance of getting a point is impossible.
C. The chance of getting a point is less likely.
D. The chance of getting a point is certain.

- 5) Which best describes the probability of the arrow on this spinner landing on **red or blue** instead of **purple or green**?



- A. certain
B. impossible
C. more likely
D. less likely

- 6) There are three flavors of Jolly Ranchers - green apple, watermelon, and raspberry. If the probability of getting a green apple is $\frac{1}{5}$, and of getting a watermelon is $\frac{3}{10}$, what is the probability of getting a raspberry?

- 7) A spinner has four unequal parts. Ali spun the spinner 20 times. The spinner landed on red 3 times, blue 4 times, yellow 2 times and green 11 times. Using this data, what is the *most likely* outcome on the next spin?

- A. red B. blue C. green D. yellow

- 8) Julian has a bag of mixed candies. He has 4 green, 5 yellow, and 7 red. What is the probability that Antonio will pick a yellow candy?

- A. impossible B. equally likely
C. highly likely D. less likely

- 9) Restaurants often slip takeout menus under the Millers' door. They counted how many menus there were from each type of restaurant.

Italian	2
Thai	1
Korean	5
Chinese	6
Indian	4

Considering this data, how many of the next 15 menus slipped under the

Millers' door

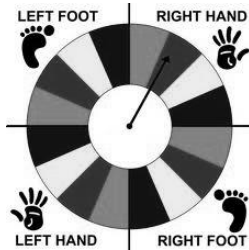
should you expect to be from Chinese restaurants?

- A. 4 B. 5 C. 6 D. 15

- 10) A bag contains 7 blue marbles, 7 green marbles, and 2 yellow marbles. Sydnie selects a marble without looking and then puts it back. If she does this 8 times, what is the best prediction possible for the number of times Sydnie will pick a yellow marble?

- A. 1 B. 2 C. 5 D. 16

- 11) Mathis tosses a coin 50 times, and it lands on heads 21 times and tails 29 times. What is the relative frequency of landing on heads?
 A. 21% B. 42% C. 50% D. 58%
- 12) The spinner is used to play the game Twister.

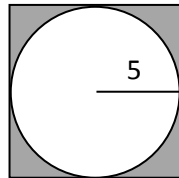


If there are a total of 16 equal sections, with four of each shade of gray, what is the probability of the spinner landing on the lightest gray?

- A. 25% B. 50% C. 75% D. 80%

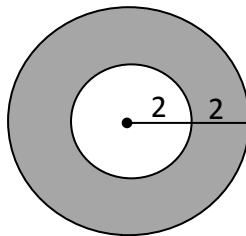
- 13) If Kayana chooses a point in the square, what is the probability that it is not in the circle?

- A. 13.76% B. 21.5%
 C. 25% D. 27.4%



- 14) If Chu An throws a dart at the target, what is the probability the dart will land in the shaded region?

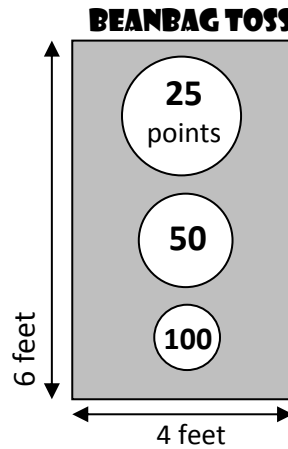
- A. 25%
 B. 50%
 C. 75%
 D. 100%



- 15) Connor is tossing a fair coin. He tosses the coin twenty-four times, and it lands on heads eighteen times. If Connor tossed the coin a twenty-fifth time, what is the probability that it will land on tails?

- A. $\frac{4}{5}$ B. $\frac{1}{2}$ C. $\frac{2}{5}$ D. $\frac{3}{4}$

- 16) Walter is at a school picnic with his family and wants to win the prize playing Beanbag Toss.



If the hole that is worth 100 points has a diameter of 1 foot, what is the approximate probability that Walter will hit the 100-point hole?

- A. 97%
 B. 1%
 C. 0.03%
 D. 3%

- 17) If Jordan can only wear one pair of socks and shoes at a time, how many different combinations can he create?

Socks	Shoes
Black	Blue
White	Black
Gray	Red

- 18) At the Ice cream shop, Shawn can buy 1 scoop of ice cream and 1 topping. How many combinations does Shawn have to choose from?

Ice Cream	Toppings
Chocolate	Fudge sauce
Strawberry	Caramel sauce
Vanilla	Sprinkles
Rocky Road	

- 19) Damian is making pizzas for a party. How many different combinations of crust, meat, and cheese can he make from the ingredients in the table?

Crust	Meat	Cheese
Pan	Sausage	Mozzarella
Thin	Pepperoni	Parmesan
	Hamburger	Romano
		Cheddar

- 20) These four cards are placed into a bag and Karla draws out two. What is the probability of pulling two cards out of the bag that have a sum less than 10?

