

Unit 8 Review

Have your notebook handy and
documents!

OBJECTIVES

Review concepts of unit 8 to prepare for test :

- Use experimental probability to predict future events.
- Organize all possible outcomes for a simple probability situation.
- Solve problems by using the results of simple probability experiments.
- Use a Venn diagram, tree diagram, or other visual organizer to find the number of ways a process can be done.
- Identify and systematically record the possible outcomes for a simple event

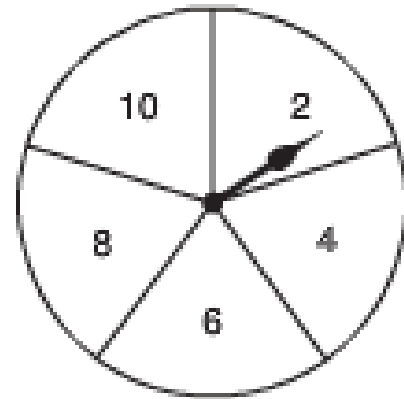
From the website



Question 1

What is the probability of spinning the spinner and landing on a number greater than 4?

- A. Likely
- B. Unlikely
- C. Certain
- D. Equally likely



Question 2

The probability of rolling an even number on a regular dice?

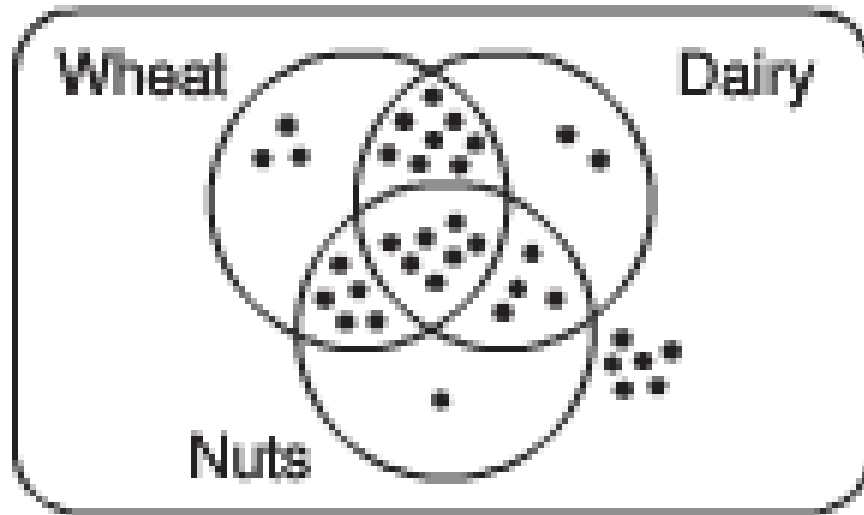
- A. .5%
- B. 5%
- C. 50%



Question 3

Use the Venn diagram to answer the question:
How many recipes use Wheat and Dairy?

- A. 8
- B. 15
- C. 12



Question 4

A coin is flipped and a spinner that has red, blue and green equal sections is spun. How many combinations/ outcomes are there?

- A. 5
- B. 6
- C. 10

Question 5

A coin is flipped and a spinner that has red, blue and green equal sections is spun. How many combinations are there that contain blue?

- A. 8
- B. 4
- C. 2

Question 6

A number cube with sides labeled 1-6 is rolled, what is the probability of rolling a 2 or 3?

A. $\frac{2}{6}$

B. $\frac{1}{2}$

C. $\frac{1}{3}$

Question 7

An experiment was conducted below:

Color	Number Drawn
red	
orange	
yellow	
white	

What is the probability of pulling a red marble?

A. $\frac{8}{32}$

B. $\frac{1}{4}$

$\frac{8}{30}$

Question 8

Sydney is plays 20 games of checkers, she wins 12 games. What is the probability that Sydney will lose?

A. $\frac{3}{5}$

B. $\frac{2}{5}$

C. $\frac{12}{20}$

Question 9

A flashlight company says that 10% of their flashlights are defective. About how many flashlights out of 200 would you expect to be defective?

- A. 50 flashlights
- B. 100 flashlights
- C. 20 flashlights

Question 10

The table shows the results of drawing one marble at a time from a bag of colored marbles. Each marble was replaced after the outcome was recorded. If there are a total of 12 marbles in the bag, about how many of the marbles are blue?

- A. About 4
- B. About 2
- C. About 6

Color	Number Drawn
red	
yellow	
blue	
green	

Question 11

Mr. Allen found that 10 out of 80 books were returned late. Predict the number of books out of 2000 that will be returned late.

- A. 200
- B. 90
- C. 250

Question 12

A number cube with faces labeled 1-6 is rolled 60 times how many times can a result of 4 or 5 be expected?

- A. 40 times
- B. 30 times
- C. 20 times

Assignment

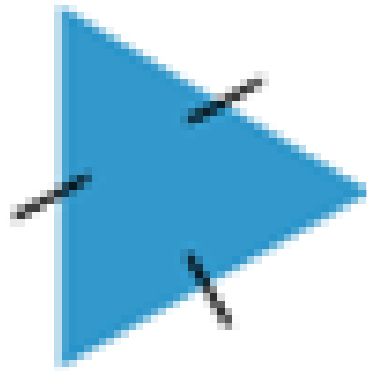
- If you need help, please come to Office hours today at 2 PM with SPECIFIC QUESTIONS.
- Study and review lessons! Try practice problems!
- Study island 6.5 Math pathway

UNIT 8 TEST TOMORROW 😊

Question 13

A coin is tossed 60 times. About how many times would you expect to land on heads?

- A. 20 times
- B. 25 times
- C. 30 times



Question 14

When doing an experiment, the person does not replace the marble in the bag

- A. Dependent
- B. Independent

Question 15

What is the probability of rolling a 3 on the number with faces labeled 1-6 and tossing a heads with a coin.

a. $\frac{1}{12}$

b. $\frac{1}{6}$

c. $\frac{1}{2}$