

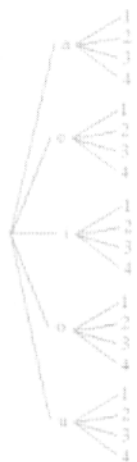
Student: _____
Date: _____
Time: _____

Instructor: courtney trabue
Course: GMC LSS Mathematics
Book: Martin-Gay: Developmental Mathematics

Assignment: MAT 097 Counting and Intro to Probability (74)

1. Draw a tree diagram for choosing a vowel, (a, e, i, o, u) and then a number (1, 2 or 3). Use the diagram to find the number of possible outcomes.

A.



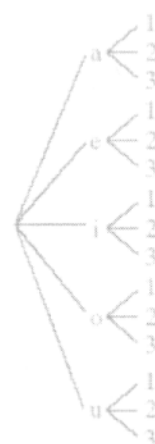
B.



C.



D.



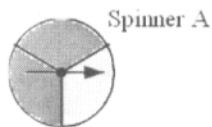
Based on the tree, what is the number of possible outcomes?

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Assignment: MAT 097 Counting and Intro to Probability (7.4)

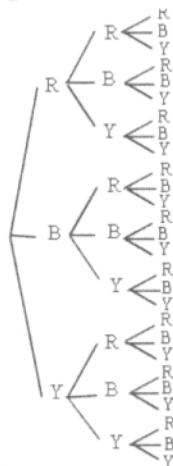
2. Draw a tree diagram for spinning Spinner A 3 times. Use the diagram to find the number of possible outcomes.



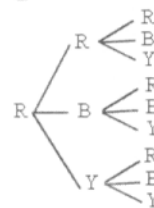
Based on the tree, what is the number of possible outcomes?

Choose the correct tree diagram below.

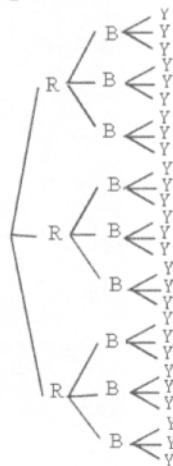
A.



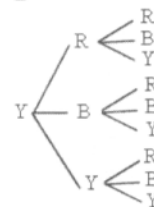
B.



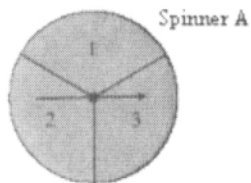
C.



D.



3. Draw a tree diagram for spinning Spinner A one time. Use the diagram to find the number of possible outcomes.



Based on the tree, what is the number of possible outcomes?

Choose the correct tree diagram below.

A.



B.



C.



D.

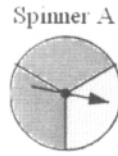


Student: _____
 Date: _____
 Time: _____

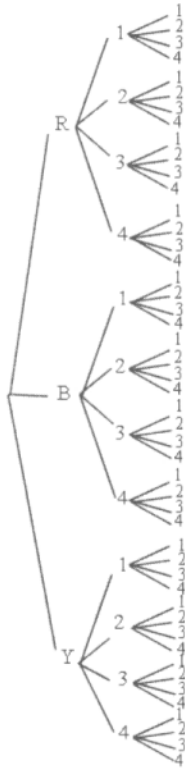
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Assignment: MAT 097 Counting and Intro to Probability (7.4)

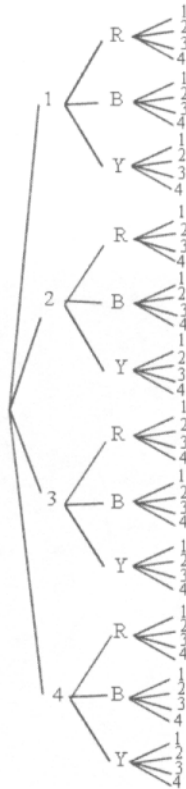
4. Draw a tree diagram for spinning Spinner A one time and then Spinner B two times. Use the diagram to find the number of possible outcomes.



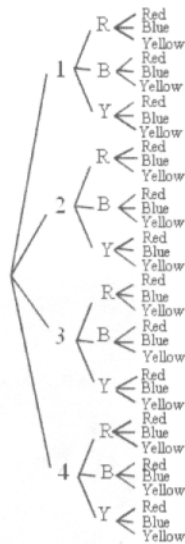
A.



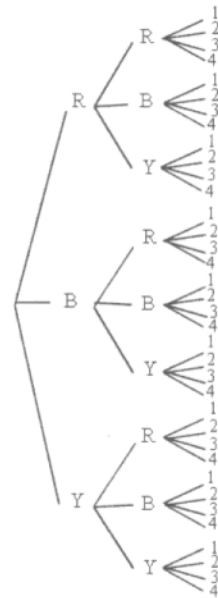
B.



C.



D.



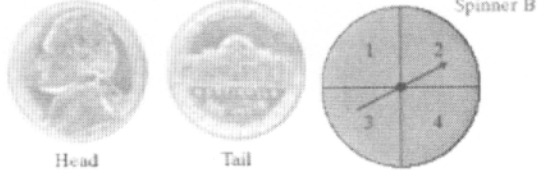
Based on the tree, what is the number of possible outcomes?

Student: _____
 Date: _____
 Time: _____

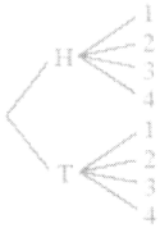
Instructor: courtney trabue
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 Book: Martin-Gay: Developmental
 Mathematics

Assignment: MAT 097 Counting and
 Intro to Probability (7.4)

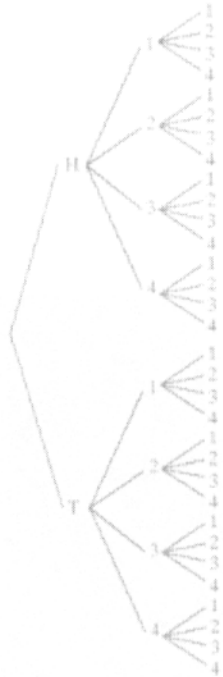
5. Draw a tree diagram for tossing a coin one time and spinning Spinner B one time. Use the diagram to find the number of possible outcomes.



A.



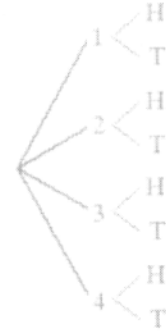
B.



C.



D.



Based on the tree, what is the number of possible outcomes?

6. If a single 20-sided die is tossed once, find the probability of rolling a 9.

The probability is . (Type an integer or a simplified fraction.)

7. If a single 12-sided die is tossed once, find the probability of rolling a 10.

The probability is . (Type an integer or a simplified fraction.)

8. If a single 12-sided die is tossed once, find the probability of rolling an odd number.

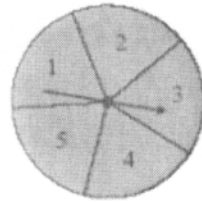
The probability is . (Type an integer or a simplified fraction.)

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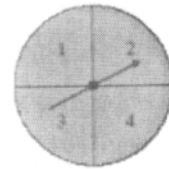
Assignment: MAT 097 Counting and
Intro to Probability (7.4)

9. Suppose the spinner shown is spun once. Find the probability of spinning **4**.



The probability is . (Type an integer or a simplified fraction.)

10. Suppose the spinner shown is spun once. Find the probability of spinning an odd number.



The probability is . (Type an integer or a simplified fraction.)

11. A marble is selected at random from a jar containing 6 red marbles, 4 yellow marbles, and 3 green marbles.

What is the probability that the marble is red?

The probability that the marble is red is . (Type an integer or a simplified fraction.)

12. A new drug is being tested that is supposed to lower blood pressure. This drug was given to 600 people and the results are as follows.

Lower Blood Pressure	Higher Blood Pressure	Blood Pressure Not Changed
80	345	75

If a person is testing this drug, what is the probability that their blood pressure will be higher?

The probability is . (Type an integer or a simplified fraction.)

Student: _____

Date: _____

Time: _____

Instructor: courtney trabue

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Book: Martin-Gay: Developmental
Mathematics

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13. A new drug is being tested that is supposed to lower blood pressure. This drug was given to 300 people and the results are as follows

Lower Blood Pressure	Higher Blood Pressure	Blood Pressure Not Changed
165	9	126

If a person is testing this drug, what is the probability that their blood pressure will not change?

The probability is . (Type an integer or a simplified fraction.)