

Name: _____

Probability

The marbles pictured below are grey, white, and black. They are placed in a bag and one is drawn at random.



1. Which color marble is least likely to be drawn from the bag? _____
2. What is the probability of drawing the black marble from the bag? _____
3. What is the probability of drawing a gray marble? _____
4. What is the probability of the drawing a white marble? _____
5. What is the probability of drawing a marble that is not white? _____
6. Would you be more likely to draw a marble that is not black or a marble that is not gray?
Explain your answer.

7. If three more black marbles were added to the bag,
what would be the probability of drawing a black marble? _____

Name:

1

The marbles -giciured below are white, and black 'They are piuced in a bag ané one is drawn ai madam. -

When' is The probubiify of drawing ihe block murbie from ihe bag?

When? is the probubiiify of drawing 0 gray marble?

is the probczbiliy of ihe drawing cs white marbie3

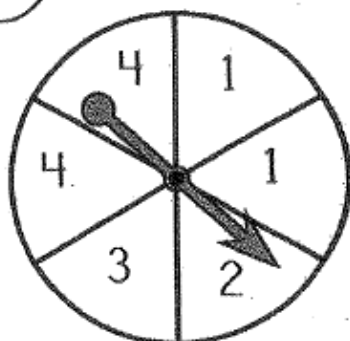
Who? is ihe gorobobiiiy of cimwing cz marbie tho? is no'? white?

if 'three more biack marbles were added fo the bug, what would be the pmbcnbility of drawing 01 biack mclrbEe\$

Name: _____

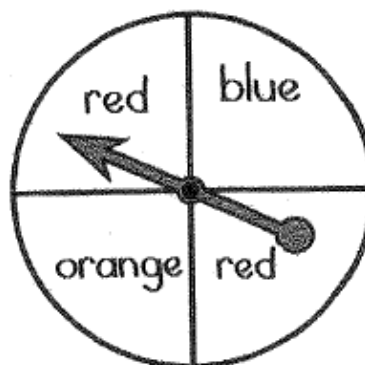
Probability

1. What is the probability of the spinner landing on a 3? _____
2. What is the probability of the spinner landing on a 1? _____
3. What is the probability of the spinner landing on a 2? _____



4. Are you more likely to spin an odd number or an even number? Explain.

5. What is the probability of the spinner landing on red? _____
6. What is the probability of the spinner landing on orange? _____
7. What is the probability of the spinner landing on a primary color? _____



8. Mike said, "You have a fifty-fifty chance of spinning red." Explain what he means.

Name:

of the spinner landing on G 3?

2. What is the probability

of the spinner landing on G 18

3. What is the probability

of the spinner landing on G 2?

4. Are you more likely to spin an odd number or an even number? Explain.

5. What is the probability of the

spinner landing on red?

6. What is the probability of the

spinner landing on orange?

7. What is the probability of the

spinner landing on the primary color?

8. Mike said, "You have a chance of spinning red." Explain who he means.

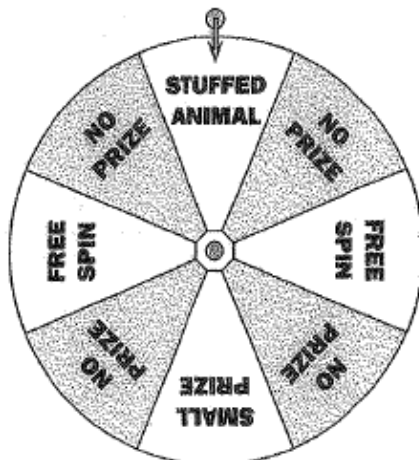
Name: _____

The Prize Wheel & The Letter Cube

1. If you spin the wheel, what is the probability that the arrow will point to "stuffed animal"? _____

2. What is the probability that the arrow will point to "no prize"? _____

3. What is the probability that the arrow will point to "free spin"? _____



4. What is the probability of rolling a vowel? _____

5. What is the probability of rolling a consonant? _____

6. What is the probability of rolling one of the first three letters of the alphabet? _____

7. What is the probability of rolling the letter B or D? _____



This cube has the letters A through F printed on it.

Name:

EIFFE NEAL

2. When is the probability that
the arrow will point to "no prize"?

4. What is the probability of
rolling a vowel?

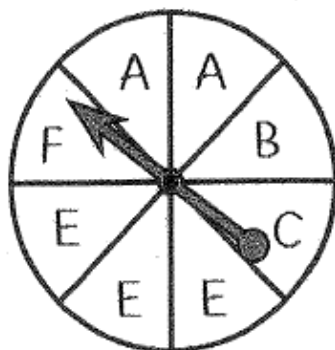
This cube has the letters - A through F printed on it

6. What is the probability of rolling
one of the first three letters
of the alphabet?

Name: _____

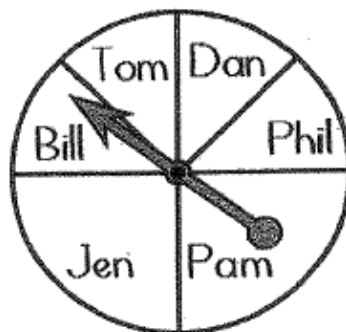
Probability

1. What is the probability of the spinner landing on C? _____
2. What is the probability of not spinning an C? _____
3. What is the probability of the spinner landing A or B? _____
4. What is the probability of the spinner landing on one of the first five letters of the alphabet? _____



Are you more likely to spin a vowel or a consonant? Explain.

5. What is the probability of the spinner landing on Phil? _____
6. What is the probability of the spinner landing on Pam? _____
7. What is the probability of the spinner landing on a name that ends with the letter m? _____



8. Jen says, "There are 4 boys names and 2 girls names on the spinner. It's more likely to land on a boy's name than a girl's name." Is Jen correct? Explain.

Name:

2. What is the probability

3. What is the probability

1. What is the probability

of the spinner landing on C?

of spinning on .3?

of the spinner landing A or B?

5. What is the probability of the

spinner landing on P or E?

6. What is the probability of the spinner landing on P or M?

7. What is the probability of the

spinner landing on a name that ends with the letter n?

8. Jen says, "There are 4 boys' names and 2 girls' names on the spinner. It's more likely to

land on G than on S or Q." Is Jen right? Explain.

Name: _____

Probability



1. If you roll a die, what are the chances of rolling a two? answer: _____
2. If you roll a die, what is the probability that you will roll an even number? answer: _____
3. A bag contains 3 red marbles, 3 blue marbles, and 1 green marble. If a marble is drawn from the bag at random, what is the probability that the marble will be blue? answer: _____
4. A bag contains 6 number tiles. The numbers in the bag are 3, 7, 8, 9, 13, and 15. If you randomly draw one tile from the bag, what is the probability of picking an odd number? answer: _____
5. Mr. Jones has a hot air balloon. Because the basket is so small, he can take one child for a ride with him. Mary, Carla, John, Lynda, Peter, and Janessa all want to go. They each write their name on a piece of paper and place them in a hat. Mr. Jones randomly selects one child to go with him.

What is the probability that he will select a boy? answer: _____

What is the probability that he will select a girl? answer: _____
6. John and Jackie are rolling a die. John wins if he rolls a number higher than 4. Jackie wins if the number rolled is 4 or less. Is this game fair? Explain.

Name:

1. If you roll a 3 die, what is the probability of rolling a 6? answer:

2. If you roll a 3 die, what is the probability of rolling an even number? answer:

3. A bag contains 3 red marbles, 3 blue marbles, and 4 green marbles. If a marble is drawn from the bag at random, what is the probability that the marble will be blue? answer:

4. A bag contains 6 numbered tiles. The numbers in the

bag are 3, 7, 8, 9, 13, and 15. If you randomly draw one tile from the bag, what is the probability of picking an odd-numbered tile? answer:

5. Mr. Jones has a horse named Betsy. Because the basket is so small, he can take only one child for a ride with him. Mary, Corie, John, Lynda, Peter, and Janessa all want to go. They each write their name on a piece of paper and place them in a hat. Mr. Jones randomly selects one child to go with him.

What is the probability he will select a boy? answer:

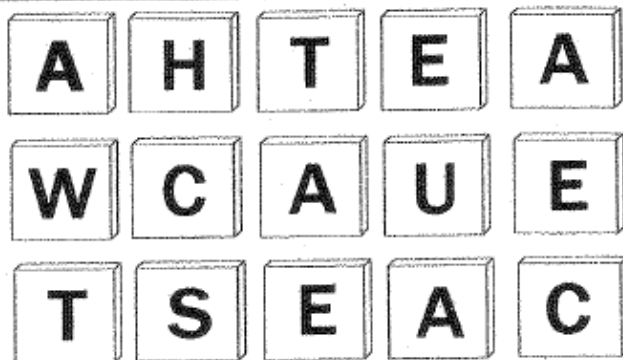
What is the probability he will select a girl? answer:

6. John and Jackie are rolling a 3 die. John wins if he rolls a number higher than 4. Jackie wins if the number rolled is 4 or less. Is this game fair? Explain

Name: _____

Probability: Letter Tiles

The letters tiles pictured to the right are placed in a bag. Without looking, Zachary draws them from the bag one at a time. Each time he draws one, he writes down the letter and places it back in the bag.



1. What is the probability that Zack will draw the letter T from the bag? _____
2. What is the probability that Zack will draw the letter A from the bag? _____
3. What is the probability that Zack will draw a vowel from the bag? _____
4. Is Zack more likely to draw a vowel or a consonant from the bag? _____
5. What is the probability of Zack drawing one of the letters found in the word cat? _____
6. What is the probability of Zack drawing one of the letters found in the word seat? _____
7. What is the probability of Zack drawing one of the letters found in the word cheat? _____
8. What is the probability of Zack drawing a letter that **is not** found in the word sauce? _____

Nome :

The ieffeirs files picuired To the rigid? we pieced in d bag.

draws ihern from the bug

draws one, he wriies down

the letiér and places it back

in the bag.

'1. What is the probubility lhai Zack will draw lhe lefier T from lhe bag?

2. Whezl is The pr'obal:ailily Zack will draw The lelfer A from lhe bag?

3. is the brobability that Zczck will draw 0 vowel from lhe bog?

4. is Zack more likely to draw 0 vows; er 0 consoncxnf from the bag?

5. What is ihe probczbiliy of Zack drawing one of the letters found

6. What is the prcbcbiliy of Zack drawing one of ihe ieifers found

in the: word seat? W

7. What is fhe probubiify of Zack drawing one of ihe lefiers found

in the word chedr-? WWW

in ihe Word sauce?