

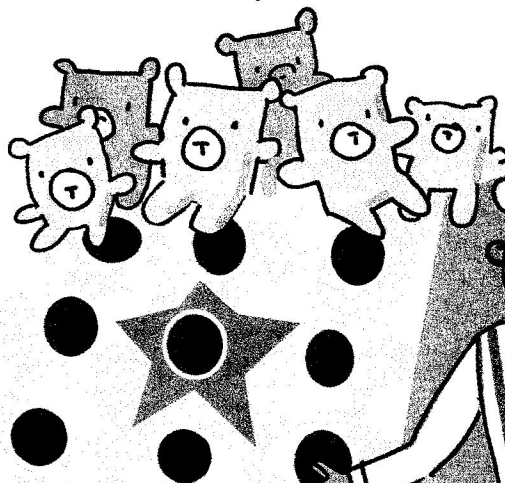
What Is the Chance?

Skill: Compute probability for simple chance events

The chance, or likelihood, that something will or will not happen is called **probability**.

If I throw only one ball, the chance that I will win a prize is 1 in 9.

If you say it as a fraction, you have a $\frac{1}{9}$ chance of winning!



TAKE A CHANCE 5¢
Hit the star, win a prize!

- 1 Lay out the mats and the cards.
- 2 Read each situation on the mats.
- 3 Find the cards that show the answers to the probability questions and place them in the correct squares.
- 4 Complete the response form.

What Is the Chance?

When you spin the arrow on this spinner, what is the chance that it will stop on...

When you spin the arrow on this spinner, what is the chance that it will stop on...

When you flip a coin, what is the chance that it will come up...

When you roll a standard six-sided die, what is the chance of rolling a...

When you roll a standard six-sided die, what is the chance of rolling on...

Your town has two baseball teams, and you are one of 24 kids who signed up to play. When the two coaches pick players, what is the chance that you'll be picked for...

0

$\frac{1}{6}$


$\frac{3}{6}$

$\frac{2}{8}$


$\frac{8}{12}$

What Is the Chance?

1 When you flip a coin, what is the chance that it will come up...

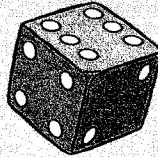


heads?



tails?

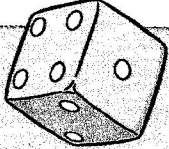
2 When you roll a standard six-sided die, what is the chance of rolling a...



6?

2?

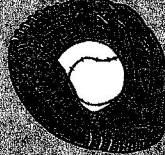
3 When you roll a standard six-sided die, what is the chance of rolling an...



odd number?

even number?

4 Your town has two baseball teams, and you are one of 24 kids who signed up to play. When the two coaches pick players, what is the chance that you'll be picked for...

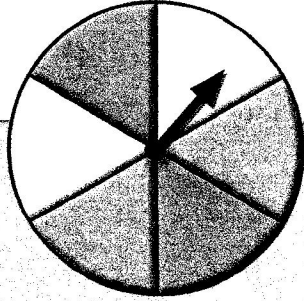


Team #1?

Team #2?

What Is the Chance?

- 5 When you spin the arrow on this spinner, what is the chance that it will stop on...

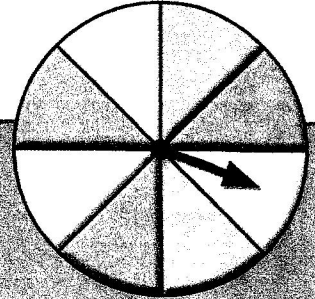


blue?

white?

red?

- 6 When you spin the arrow on this spinner, what is the chance that it will stop on...



red?

yellow?

blue?

- 7 The cookie jar has 3 chocolate chip, 2 oatmeal, and 3 sugar cookies in it. If you grab a cookie without looking, what is the chance that you will get...

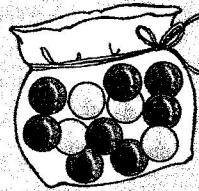


chocolate chip?

oatmeal?

sugar?

- 8 Your bag of marbles has 4 red marbles and 8 blue marbles in it. If you reach into the bag without looking, what is the chance that you will pull out a marble that is...



green?

blue?

red?

$\frac{4}{12}$	$\frac{8}{12}$	0	$\frac{2}{8}$
$\frac{3}{8}$	$\frac{3}{8}$	$\frac{2}{8}$	$\frac{3}{8}$
0	$\frac{2}{6}$	$\frac{2}{6}$	$\frac{2}{6}$
$\frac{4}{12}$	$\frac{8}{12}$	0	$\frac{1}{2}$
$\frac{1}{2}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{12}$
0	$\frac{3}{6}$	$\frac{3}{6}$	$\frac{1}{12}$

What Is the Chance?

Look at the mats. Write the answer to each probability question in its simplest form.

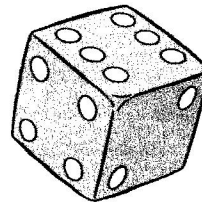
1



heads _____

tails _____

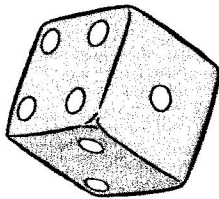
2



6 _____

2 _____

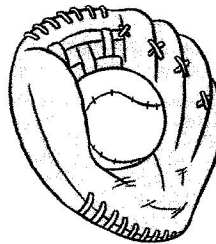
3



odd number _____

even number _____

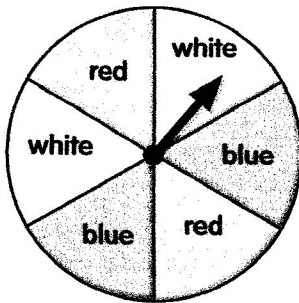
4



Team #1 _____

Team #2 _____

5

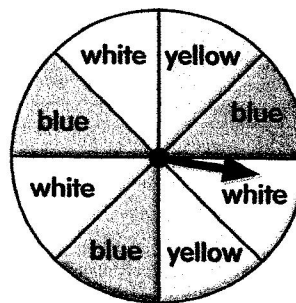


blue _____

white _____

red _____

6



red _____

yellow _____

blue _____

7

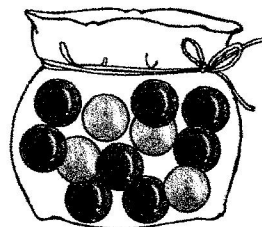


chocolate chip _____

oatmeal _____

sugar _____

8



green _____

blue _____

red _____

label