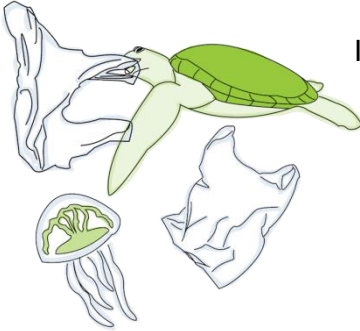


Sea Turtles

Every year, more and more plastic and trash enter the ocean, threatening the lives of the animals that call it home. Sea turtles, who happen to be some of the most beloved and endangered species on the planet, are particularly at risk from this onslaught of ocean debris. At 4Ocean, we are on a mission to help stop this from happening. That is why we are on the water 7 days a week removing plastic, trash, and **debris** from the ocean and coastlines.



It is estimated that over half of all sea turtles have ingested some form of plastic in their lifetime. When debris, like plastic bags, is in the water where turtles feed, the turtles can easily mistake the trash for food. And for those that do avoid a plastic lunch, they are still at significant risk of becoming **entangled** in other forms of debris, like ghost nets, buoy lines, or other discarded fishing gear, which can lead to injury or even death.

The sex of a sea turtle hatchling is based on nest temperature (warmer is female, cooler is male). An extremely worrisome trend is the fact that globally the ratio of female sea turtles being born vs. male sea turtles being born is becoming more and more lopsided to the female side. This could be related to rising temperatures caused by global climate change and is something that should be watched very carefully in the coming years.



We have partnered with the Florida Atlantic University Marine Research Lab to raise global awareness about these and other issues facing sea turtles as well as to help combat the plastic debris problem first-hand through our cleanups. [Adapted from 4Ocean]

Answer the questions based on the text [3 points each]:

1. It is estimated that the majority of sea turtles have ingested some form of plastic
 - a. True
 - b. False
 - c. Does not say
2. The word "**debris**" means:
 - a. Fish
 - b. Waste
 - c. Corals
3. The raising temperatures on the planet might be responsible for the increased number of female sea turtles.
 - a. True
 - b. False
 - c. Does not say

4. The organization 4Ocean helps sea turtles by...
 - a. cutting nets
 - b. removing plastic
 - c. taking sea turtles to the Florida Atlantic University Marine Research Lab

5. Sea turtles are...
 - a. giving birth only when temperatures are high
 - b. enjoying plastic lunches
 - c. likely to become extinct

6. A good synonym for “**entangled**” is:
 - a. poisoned
 - b. caught in
 - c. full with

Leonardo da Vinci: A leftie?

In late May 2019, the world will mark 500 years since the death of Leonardo da Vinci. Art galleries and museums are preparing shows **to honor** the life and works of the artist they call Leonardo, who died in France on May 2, 1519. He is remembered as one of the greatest artists and creative thinkers of all time. Among his most famous paintings are *The Mona Lisa* and *The Last Supper*.

Recently, researchers were studying what they think is da Vinci’s earliest-known artwork. They used special lighting to study the work and discovered there were two images, not one.



One drawing was on the back of the piece, which is dated August 5, 1473.

The drawing on the front, made when Leonardo was 21 years old, shows a river valley and a castle outside the city of Florence. There is little left of the drawing on the back, perhaps because

it was rubbed off. Only a bridge over a river can be seen. But there is writing on both sides.

The writing on the front gives the date and goes from right to left. Some people would call this “mirror-writing”. Leonardo often wrote this way in his notebooks. On the back, the handwriting goes from left to right, and tells about an agreement, probably to produce a work of art.



Cecilia Frosinini is an art historian. She said, “Leonardo was born left-handed, but was taught to write with his right hand from a very young age. By looking at his writings, including from this drawing, one can see his right-handed calligraphy is educated and well done.”

Experts compared the two handwriting **samples** and said they were both made by Leonardo. They show he could write well using both his left hand and his right hand. The drawing is known as “Landscape 8P” from its number in an art catalog. It will be part of an exhibit at Italy’s Uffizi Gallery. The gallery director, Eike Schmidt, said the drawing gives art experts a new way of looking at Leonardo’s drawing technique and his abilities in writing. “It is a real revolution in the field of Leonardo studies,” he said.

[Adapted from Pearson Education Materials]

Answer the questions based on the text [4 points each]:

1. Scientists used special lighting to...
 - a. compare two images by da Vinci
 - b. understand da Vinci's earliest-known artwork
 - c. understand if two of da Vinci's samples were handwritten
 - d. discover if da Vinci was a leftie

2. The verb "**to honor**" in the first paragraph means:
 - a. pay tribute to
 - b. mark
 - c. remember
 - d. judge

3. "Mirror writing" is...
 - a. writing on a mirror
 - b. writing from left to right
 - c. writing from right to left
 - d. both **b** and **c** are correct

4. The drawing on the front...
 - a. was created on August 5, 1473
 - b. has writing from left to right
 - c. shows a bridge and a river
 - d. has Leonardo's mirror writing

5. It is concluded that Leonardo wrote...
 - a. with his right hand
 - b. with his left hand
 - c. sometimes with his right hand and sometimes with his left hand
 - d. in different languages

6. Another word for "**samples**" in the last paragraph could be...
 - a. variations
 - b. trials
 - c. tests
 - d. examples

Monopoly

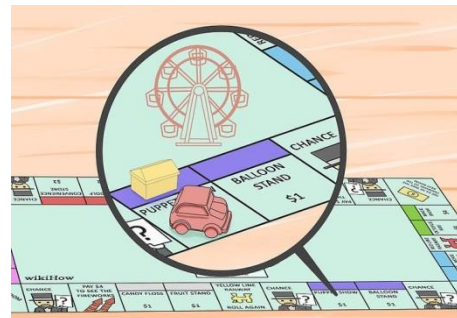
The game is played in turns. The player with the highest number on an initial dice roll goes first. Each turn is played the same way with a player rolling the die and moving that number of spaces. Your car will park on different spots and that's where the game's complexity emerges.



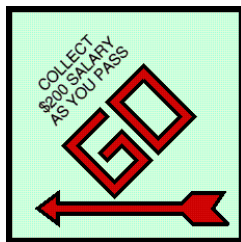
Here are the spots you can land on:

Amusement – If you land on one of the spaces with colored rectangles, you have landed on some aspect of an amusement park and, understandably, will have to spend some money. This can happen a few ways however.

If the amusement does not have a booth set up by another player, you must pay the bank the dollar amount listed on the spot. As a result you may now control that amusement square by placing one of your color's ticket booths on that colored rectangle.

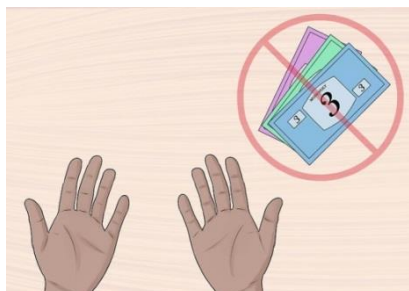
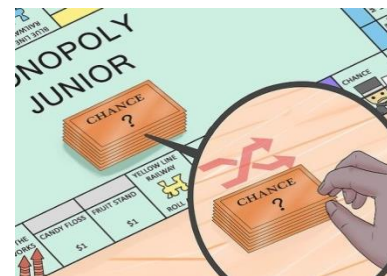


If, on the other hand, you land on a spot with an opponent's ticket booth on it, you must pay the money amount on that spot to the owner of that amusement. If both amusement spaces of the same color are owned by that player, you must pay double that amount.



GO! – If you land on or pass the *GO!* spot, you may collect \$2 dollars from the bank. Make sure that you collect your \$2 right after you land on or pass *GO*. If you wait until the next turn, then it is too late to collect the money.

Chance – Draw a “Chance” card and follow the instructions. Some might move you elsewhere on the board. Some may direct you to put a free booth on a certain color. If that color is completely occupied by one opponent, this is impossible and you can draw a new card. If however, both spaces are occupied by two different opponents, you can remove one of the two booths.



Winning the Game

The game proceeds with money traded back and forth until one player has run out. When this happens, the player with the most money is the winner of Monopoly.

Answer the questions based on the text [3 points each]:

1. Which player goes first?
 - a. The youngest
 - b. The one that rolls first
 - c. The one that rolls the highest number first

2. Another word for “**emerges**” in paragraph 1 could be:
 - a. appears
 - b. lies
 - c. decreases

3. You take control of an Amusement by...
 - a. setting up your ticket booth on that rectangle
 - b. paying rent to the player that has their booth set up on that rectangle
 - c. paying double the amount of the amusement’s value

4. Suppose you have passed by the *GO!* spot and forgot to collect your \$2; you could...
 - a. wait until your next turn to collect the fee
 - b. do nothing
 - c. wait until you go by the *GO!* spot again to collect double

5. Suppose you just drew a chance card and you were directed to move to a blue rectangle. Currently the blue rectangles are taken by two different colored booths. What’s your next move?
 - a. You cannot move there so you stay put
 - b. You buy one of the two booths
 - c. You take away one of the two booths

6. Pick the most appropriate synonym for “**occupied**”:
 - a. available
 - b. assumed
 - c. engaged

