

Fantasy Football?



We are in the midst of another exciting NFL season. Aside from the actual football games being played, a relatively new game based on the NFL is becoming increasingly popular. An estimated 42 million people play fantasy football each year. To play, contestants form a league and have a draft to form their own teams comprised of NFL players. Each person in the league typically drafts an NFL quarterback, running backs, wide receivers and so on. The more offensive production out of your players, the more points you get. League scoring systems vary, but for example a quarterback could earn you six points for each touchdown pass, 0.05 points for every passing yard and -2 points for each interception. Websites such as ESPN.com and Yahoo Sports host millions of fantasy football players. These websites use formulas to compute the number of points each player and team totals in an NFL weekend. In this activity we will learn about the scoring formulas through some of the biggest fantasy days in recent history.

Let's look at an example with the quarterback scoring:

PASSING	RUSHING	RECEIVING
<ul style="list-style-type: none">· TD Pass = 6 pts· Every 25 passing yards = 1 pt· Interceptions Thrown = - 2 pts	<ul style="list-style-type: none">· TD Rush = 6 pts· Every 10 rushing yards = 1 pt	<ul style="list-style-type: none">· TD Reception = 6 pts· Every 10 receiving yards = 1 pt· 2 pt Receiving Conversion = 2 pts

In week two of the 2017 – 2018 season, Tom Brady of the New England Patriots completed 30 passes for 447 yards and four touchdowns while adding nine yards on the ground (rushing) in Sunday's 36-20 win over the Saints. (Sun Sep 17)

1. Find the number of fantasy points Tom Brady scored in this week. Show your work or reasoning below:

In week two of the 2017 - 2018 season, Carson Wentz of the Philadelphia Eagles, completed 25 passes for 333 yards, two touchdowns and one interception during Sunday's 27-20 loss to the Chiefs. He also gained 55 yards on five rushes.

2. Find the number of fantasy points Carson Wentz scored in this week. Show your work or reasoning below:
3. Look back at your method for the previous two problems. Write a formula that gives the points (p) for any number of touchdowns (t), passing yards (y), and interceptions (n).
4. A quarterback threw for 180 yards, three interceptions and had 13.2 total points. Use your rule to find the number of touchdown passes this quarterback threw for.

5. A quarterback had a total 35 fantasy points. He had four touchdowns, one interception and 35 total points. Use your rule to find the number of passing yards this quarterback threw for.
6. A quarterback had 14 total fantasy points. He had one touchdown pass and 300 passing yards. Use your rule to determine how many interceptions the quarterback threw.

Different Scoring for Different Positions:

Some leagues use the following scoring system for a wide receiver and tight end:

Receptions = 0.2 points
Receiving Yards = 0.1 point
Touchdown = 6 points
Fumble = - 2 points

In week two of the 2017 - 2018 season, Antonio Brown of the Pittsburgh Steelers, had 5 receptions, 62 receiving yards, zero fumbles and no touchdown.

7. How many fantasy points did Antonio Brown score in this game? Show your work or reasoning below:

In week two of the 2017 - 2018 season Rob Gronkowski of the Boston Patriots, had 6 receptions, 116 receiving yards and 1 touchdown and no fumbles.

8. Do you think he outscored Antonio Brown's total from the previous problem? Make a guess and then find Rob Gronkowski's total fantasy points from this game. Show your work or reasoning below:
9. Look back at your reasoning from the previous two problems. Write a rule that calculates the number of fantasy points for a wide receiver. Explain what each part of your rule represents.
10. The wide receiver on my fantasy team scored 24 fantasy points on Sunday. Find various combinations of receptions, receiving yards, touchdowns and fumbles that would total 24 fantasy points. Clearly show your work and be sure to come up with more than one possibility.

Some leagues use the following scoring system for a running back:

- Receptions = 0.2 points**
- Receiving Yards = 0.1 point**
- Rushing Yard = 0.1 point**
- Touchdown = 6 points**
- Fumble = -2 points**

11. In week 2 of the 2017 NFL season, which running back scored more fantasy football points?

- LeSean McCoy, of the Buffalo Bills, recorded 12 rushes for nine yards and six receptions for 34 yards during the recent 9 - 3 loss in Carolina. (Sun Sep 17)

- Le'Veon Bell, of the Pittsburg Steelers, rushed 27 times for 87 yards and caught all four of his receptions for another four yards in Sunday's 26-9 win over the Vikings. (Sun Sep 17)

12. Track football stats this weekend. Pick a quarterback, two running backs, 2 wide receivers and tight end. Put your players' names in the table below before any of this weekend's games. When the football weekend is over (late Monday night) find your player stats at www.espn.com. Use your actual player points and the scoring rules on this activity sheet to determine the number of fantasy football points your team earned over the weekend. On next Tuesday the class can see whose team scored the most points. Good luck!

Your Team Name _____

Player Name	Position	Passing Yards	Rushing Yards	Receiving Yards	Receptions	Touch-downs	Total interceptions or fumbles	Fantasy Football Points
Team Total:								

13. Write an algebra expression that gives the total points scored by any player for any number of p passing yards, r rushing yards, v receiving yards, c receptions, t touchdowns and f fumbles or interceptions.

Sources: <http://bleacherreport.com/articles/2724771-fantasy-football-2017-rankings-for-top-10-running-backs-and-sleepers>
<http://www.espn.com/fantasy/football/ffl/story?page=fflrulesstandardscoring>
<http://games.espn.com/ffl/resources/help/content?name=scoring-formats>