

# QUARTERBACK STATISTICS

## Activity Overview

Statistics play an important role in any sport. They are used in evaluating team performance as well as the performance of individual players. Football statistics are very simple to understand and compute.

The following activity illustrates how spreadsheets can be used to compute the completion percentage of NFL® quarterbacks during the 2005 season. In this activity, you will be applying cell shading to enhance the appearance of a spreadsheet.

## Instructions

1. Create a NEW spreadsheet.

Note: Unless otherwise stated, the font should be set to Arial, the font size to 10 point.

2. Type the data as shown.
3. Bold cell A2 and change the font size to 16 point.
4. Format the width of columns B and C to 20.0 and left align.
5. Center align cells A5 - A30 and cells D5 - G30.
6. Compute the formula for the first player's PCT (Completion Percentage) as follows:
  - a.  $PCT(Completion\ Percentage) = \frac{Cmp(Completed\ Passes)}{Att(Attempted\ Passes)}$  -> In cell G7, type =F7/E7
7. Use the AutoFill feature to copy the formula down for PCT for the remaining players.
8. Format cells G7 - G30 as percentages displaying 1 decimal place.
9. Change the shading for cells A5 - G5 to gray (25%).
10. Bold row 5.
11. Display formulas in your spreadsheet by using <CTRL> +x to check for accuracy.
12. Carefully proofread your work for accuracy.
13. Save the spreadsheet as QUARTERBACK STATISTICS.
14. Analyze the changes made to the data in the spreadsheet.

15. Set the Print Area to include all cells containing data in the spreadsheet.
16. Print Preview and adjust the Page Setup so that the spreadsheet fits on one page.
17. Print a copy of the spreadsheet if required by your instructor.

	A	B	C	D	E	F	G
1	<b>Activity 28 Student Name</b>						
2	<b>NFL 2005 QUARTERBACK STATISTICS</b>						
3							
4							
5	<b>RANK</b>	<b>PLAYER</b>	<b>TEAM</b>	<b>YDS</b>	<b>ATT</b>	<b>CMP</b>	<b>PCT</b>
6							
7	1	Peyton Manning	Indianapolis Colts	3747	453	305	
8	2	Carson Palmer	Cincinnati Bengals	3836	509	345	
9	3	Ben Roethlisberger	Pittsburgh Steelers	2385	268	168	
10	4	Matt Hasselbeck	Seattle Seahawks	3459	449	294	
11	5	Marc Bulger	St. Louis Rams	2297	287	192	
12	6	Tom Brady	New England Patriots	4110	530	334	
13	7	Jake Plummer	Denver Broncos	3366	456	277	
14	8	Trent Green	Kansas City Chiefs	4014	507	317	
15	9	Byron Leftwich	Jacksonville Jaguars	2123	302	175	
16	10	Drew Brees	San Diego Chargers	3576	500	323	
17	11	Brad Johnson	Minnesota Vikings	1885	294	184	
18	12	Jake Delhomme	Carolina Panthers	3421	435	262	
19	13	Mark Brunell	Washington Redskins	3050	454	262	
20	14	Kurt Warner	Arizona Cardinals	2713	375	242	
21	15	Donovan McNabb	Philadelphia Eagles	2507	357	211	
22	16	Drew Bledsoe	Dallas Cowboys	3639	499	300	
23	17	Steve McNair	Tennessee Titans	3161	476	292	
24	18	Chris Simms	Tampa Bay Buccaneers	2035	313	191	
25	19	Kerry Collins	Oakland Raiders	3759	565	302	
26	20	David Carr	Houston Texans	2488	423	256	
27	21	Trent Dilfer	Cleveland Browns	2321	333	199	
28	22	Eli Manning	New York Giants	3762	557	294	
29	23	Michael Vick	Atlanta Falcons	2412	387	214	
30	24	Brett Favre	Green Bay Packers	3881	607	372	