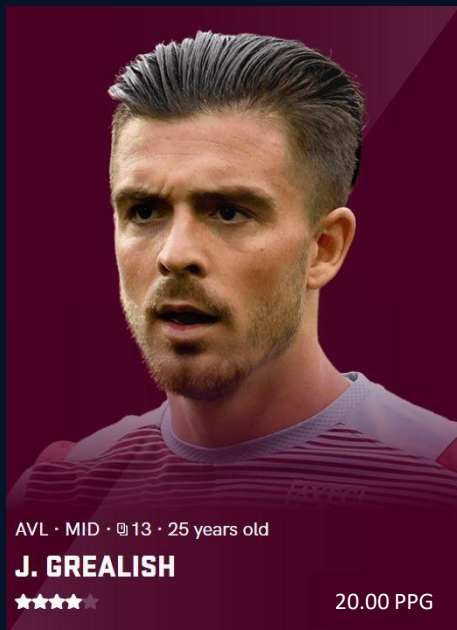# What are PPGB and PP90B on TradingScout EPL Contests?

TradingScout EPL Contests contain 2 stats for Footstock that are purposely designed for EPL Contests i.e. real football rather than virtual. These are:

PPGB – Base Points Per Game

PP90B – Base Points Per 90

We're going to use an example to demonstrate how we calculate them and how they can provide more insight that the stats immediately visible on a player card within Footstock.

Let's start with what you can normally see on a player:

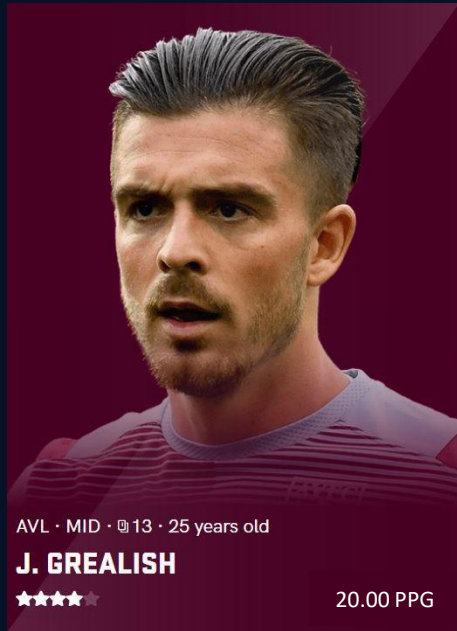AVL · MID · 🔲13 · 25 years old

J. GREALISH

★★★★☆   20.00 PPG

Let's assume Jack Grealish has a current PPG of 20.00 which is calculated as the sum of all his PPG scores averaged over (up to) 38 games. However as this average includes games where he may not have played at all or may not have played a full game, it doesn't really tell you his average PPG for the games and minutes where he was actually playing. This is important because when you pick a player for your Contest teams you do so assuming that the player will be playing, and often assume it will be for the full 90 mins.

In addition, this PPG includes all scoring points for the Footstock matrix which includes points for things such as scoring, assisting, keeping a clean sheet, winning the game, goals conceded etc. But we know that the likelihood of these events occurring will vary greatly game by game based on the performance of the team as a whole, the quality of the opposition etc. So this may not give us a clear picture of the players average underlying performance or "base statistics".

This is where PPGB and PP90B can help.

Note - The Footstock scoring matrix can be found here https://www.landing.footstock.com/scoring-matrix

An Example - PPG

To take you through the calculations we're going to simplify an example. Lets say that the 20.00 PPG for Jack is just based on 4 games where he scored the following:
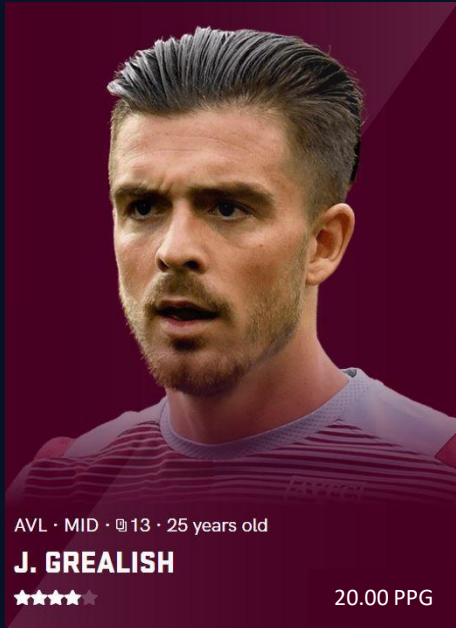
	Game 1	Game 2	Game 3	Game 4
Minutes Played	90	60	0	40
PPG Scores				
Minutes Played	2.25	1.5	0	1
Goals	20	0	0	0
Assists	0	10	0	10
Win	6	6	0	0
Clean Sheet	1	1	0	1
Successful Dribbles	10	0	0	6
Passes Completed	0.75	1.5	0	2
Total PPG	**40.00**	**20.00**	**0.00**	**20.00**

AVL · MID · ⑬ · 25 years old

J. GREALISH
★★★★☆
20.00 PPG

In this example Jack's PPG is the average over the 4 games – so 80/4 =20.
But as he didn't play for 90 mins in every game we can't immediately see his underlying performance whilst on the pitch.

An Example - PPGB

TradingScout

To calculate his PPGB (Base PPG) we initially exclude any game where the player didn't play within the game. In addition, we then also exclude the stats that are not "base" statistics (see the final page for a list of these).

	Game 1	Game 2	~~Game 3~~	Game 4
Minutes Played	90	60	~~0~~	40
PPG Scores				
~~Minutes Played~~	~~2.25~~	~~1.5~~	~~0~~	~~1~~
~~Goals~~	~~20~~	~~0~~	~~0~~	~~0~~
~~Assists~~	~~0~~	~~10~~	~~0~~	~~10~~
~~Win~~	~~6~~	~~6~~	~~0~~	~~0~~
~~Clean Sheet~~	~~1~~	~~1~~	~~0~~	~~1~~
Successful Dribbles	10	0	~~0~~	6
Passes Completed	0.75	1.5	~~0~~	2
Total PPGB	**10.75**	**1.50**	~~0.00~~	**8.00**

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J. GREALISH
★★★★☆
20.00 PPG

In this example, Jack's PPGB is the average over the 3 games in which he played – so 20.25/4 = 5.06
This now gives you a picture of Jack's base statistics per game played. But as he was subbed on or off in 2 of the 3 games it still might not provide you with a full picture of his underlying stats. This is where PP90B can help.

To calculate his PP90B (Base Points Per 90 mins) we need to account for the actual minutes played per game to give us a picture of the base statistics that Jack would achieve based on playing 90 minutes in a game.

	Game 1	Game 2	Game 4
Minutes Played	90	60	40
PPG Scores			
Successful Dribbles	10	0	6
Passes Completed	0.75	1.5	2
Total PPGB	**10.75**	**1.50**	**8.00**

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J. GREALISH

★★★★☆

20.00 PPG

In this example Jack's PP90B is calculated as Total PPGB/Total Minutes*90 so 20.25/190*90 = 9.59

One area to be mindful of is that if a player only had a small amount of games/minutes played then the statistics may obviously not be a true reflection of that players underlying statistics. So please consider this when using any of the statistics on TradingScout.

What's included and excluded from PPGB and PP90B?

These are the stats from the scoring matrix that are included and excluded from the base statistics for PPGB and PP90B

Successful Dribble
Saves
Tackles Won
Shots On Target
Interceptions
Crosses
Clearances
Ball Recovery
Passes Completed
Foul
Offside

Goals
Assists
Win
Clean Sheet
Goal Against
Own Goal
Error Leading to a Goal
Penalty Conceded
Penalty Save
Penalty Miss
Minutes Played
Yellow / Red Cards