

The Duckworth-Lewis (DL) method will be used for all GWL (Ground/Weather/Light) affected matches in the Grade Limited Overs and T20 matches.

The target score in cricket matches without interruptions is the number of runs scored by the team that batted first plus one. When overs are lost, setting an adjusted target for the team batting second is not as simple as reducing the run target proportionally to the loss in overs, because a team with ten wickets in hand and 25 overs to bat can play more aggressively than if they had ten wickets and a full 50 overs, for example, and can consequently achieve a higher run rate. The DL method is an attempt to set a statistically fair target for the second team's innings, which is the same difficulty as the original target. The basic principle is that each team in a limited-overs match has two resources available with which to score runs (overs to play and wickets remaining), and the target is adjusted proportionally to the change in the combination of these two resources

The approved D/L calculator to be used in ALL GRADES is the MyCricket Live Score app. This is available for both Android and iOS

Instructions for Use on Game Day

All Grades

1. Umpires to provide relevant match suspension information to captains.
(i.e. current scores, amount of lost overs, overs per team required in remaining time)
2. Captains to use the approved App to calculate a target score.
3. Captains together to AGREE to a target score and advise umpires showing the final App calculation score.
4. Any non-agreements the umpires are to arbitrate by reviewing the accuracy of each App data entry.

Important Tips

When using the D/L calculator and to avoid any likely calculation errors, ensure

- ✓ D/L Calculator APP is reset and clear before starting
- ✓ Overs at start of the innings is correct for the grade and format (G4 & T20 matches)
- ✓ All suspensions are recorded and entered in order

Please see below detailed instructions and 4 examples of 'how to determine' target scores.

Grade Competition Committee

(October 2021)

Mobile Phone App



The above image is of the MyCricket Live Score App. This is the approved Apps to be utilised for Duckworth-Lewis Calculations in the Cricket Illawarra grade competitions for the 2021-22 season onwards for all grades.

The App can be downloaded free of charge from Google Play and Apple Store, and will be explained below.

How to Use App:

1. Open App.
2. If you are logged in, tap on the menu option (top left corner) and log out → Logout. This will return you to the home screen. If you aren't logged in then tap 'Continue without logging in'
3. Select Tools → D/L Calculator.
4. Select Duckworth-Lewis (Standard).
5. Select Custom → Done Note that for the D/L Standard the G50 value is irrelevant but the application requires a value to be selected.
6. Enter number of overs available at innings start.
7. If there were any suspensions click new suspension period and enter details. Repeat for multiple suspensions.
8. Enter the final score of the 1st innings.
9. Tap 2nd Innings. If applicable click new suspension period and enter details. Repeat for multiple suspensions.
10. The target and par score will then be displayed

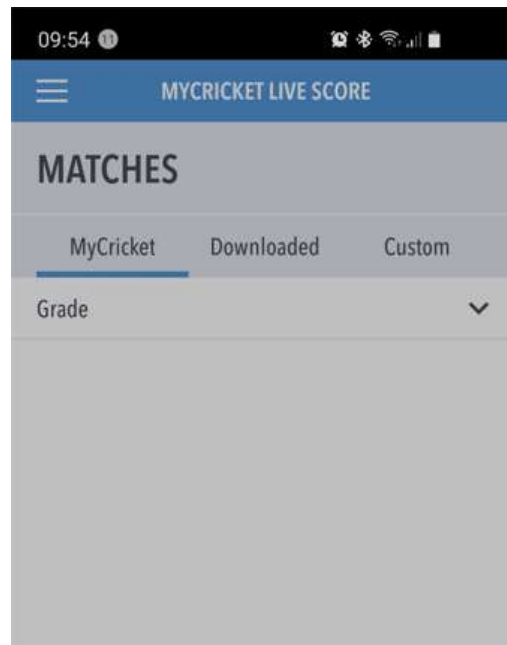
Opening the D/L Calculator

If Logged in

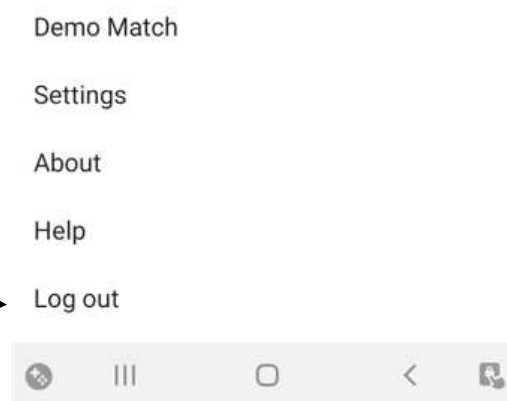
Tap the Menu Bar



Log Out

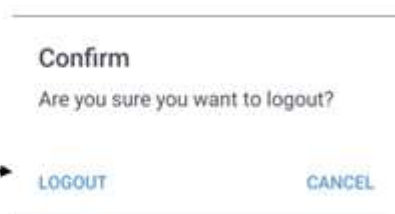


Log out



Tap Logout to continue

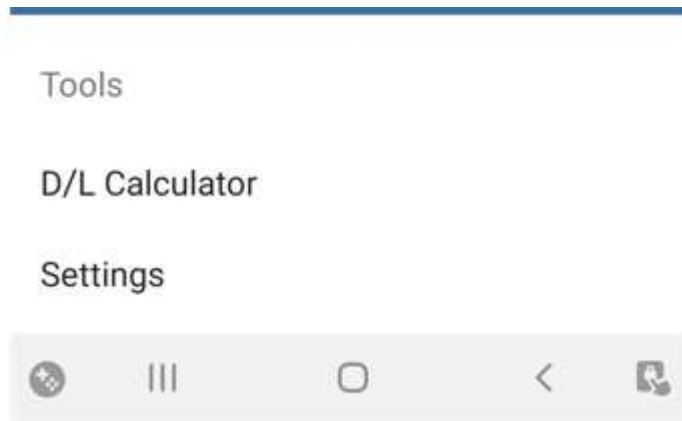
LOGOUT



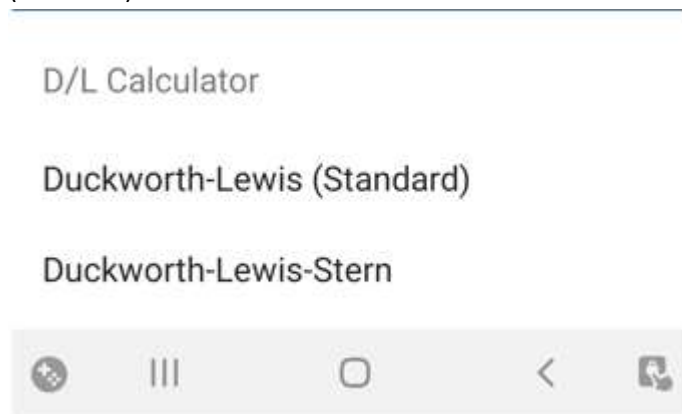
Tap Tools



Select D/L Calculator



Select Duckworth-Lewis (Standard)



Select Custom G50 Value of 245

09:55 12

Cancel SELECT A G50 VALUE Done

Men's Match (245)

Women's Match (200)

Custom

Note: The G50 value is irrelevant for the D/L standard edition. A request has been submitted to remove this requirement for the standard edition.

Enter 1st innings details

Enter Overs at Start of play

Cancel D/L CALCULATOR Clear

Overs: 50 G50 Value: 245

1st Innings 2nd Innings

OVERS RUNS

81 Batting Team 1

TOTAL 50

Suspension Periods >

Adding any Innings suspensions

09:57 12

Cancel SUSPENSION PERIODS Done

Suspension 1

AT OVER

RUNS

WICKETS LOST

OVERS REMAINING AFTER SUSPENSION

NEW SUSPENSION PERIOD

Enter total runs scored at end of 1st innings

The screenshot shows the 'D/L CALCULATOR' app interface. At the top, there are 'Cancel' and 'Clear' buttons. Below that, 'Overs' is set to 50 and 'G50 Value' is 245. The '1st Innings' tab is selected, with 'runs' and 'wickets' fields. The 'runs' field contains the value 195, which is highlighted by a black arrow pointing to it from the text below. Below the runs field is a 'Suspension Periods' section with a right-pointing arrow.

Enter total runs scored in 1st innings

Click on 2nd Innings – target score is shown with adjusted number of overs available

The screenshot shows the 'D/L CALCULATOR' app interface with the '2nd Innings' tab selected. The 'Overs' field is 50 and 'G50 Value' is 245. Below the tabs, there are 'Overs', 'Wickets', and 'Runs' columns. The 'Overs' field is set to 25, with a black arrow pointing to it from the text 'Overs to play'. The 'Runs' field is set to 216, with a black arrow pointing to it from the text 'Target Score'. The 'Wickets' field is 0. Below this is a 'Suspension Periods' section with a right-pointing arrow.

Add any 2nd Innings suspension periods

The screenshot shows the 'SUSPENSION PERIODS' screen. At the top, there are 'Cancel' and 'Done' buttons. Below that, 'Suspension 1' is listed with a red 'X' icon to its right. The details for this suspension are: 'AT OVER' 12, 'RUNS' 72, 'WICKETS LOST' 2, and 'OVERS REMAINING AFTER SUSPENSION' 5. At the bottom of the screen is a large blue button labeled 'NEW SUSPENSION PERIOD'.

New Target and Par score shown

The screenshot shows a mobile application interface for a D/L Calculator. At the top, the status bar displays the time 13:08 and various icons. The app title is "D/L CALCULATOR" with "Cancel" and "Clear" buttons. Below this, the "Overs" field is set to 30 and the "G50 Value" is 245. The interface is divided into "1st Innings" and "2nd Innings" sections, with "2nd Innings" currently selected. Under "2nd Innings", there are sub-sections for "OVERS", "WICKETS", and "RUNS". The "Batting Team 2" section shows a "TARGET SCORE" of 17 and a "PAR SCORE" of 12. A "2" is entered in a field next to the par score. Below this, a "Suspension Periods" field is visible. A diagram with arrows points from the "Par score" label to the value 95, and from the "Revised Target Score" label to the value 152. The value 152 is positioned above the 95, and a right-pointing arrow is also visible to the right of the suspension periods field.

1st Innings		2nd Innings	
OVERS	WICKETS	OVERS	RUNS

BT Batting Team 2

TARGET SCORE 17

PAR SCORE 12 2

Suspension Periods >

Par score → 95

Revised Target Score → 152


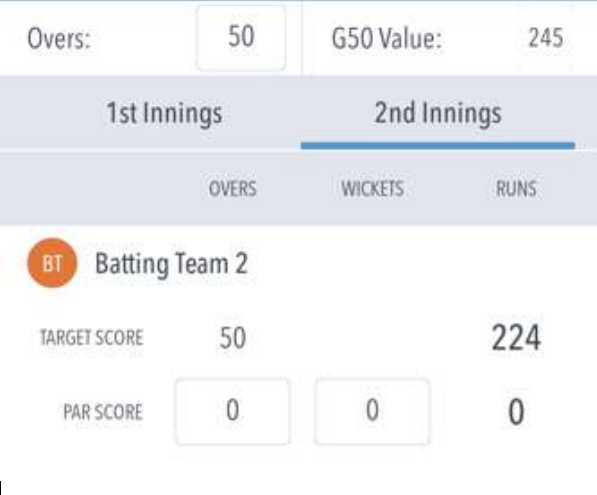
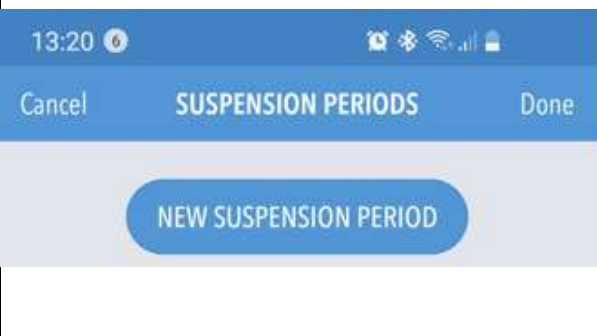
Examples on How to Use Android D/L Method App

Example 1: First Grade 50 over match – suspension only during 2nd Innings

Match starts on time and Team A bats for its complete innings scoring 223 runs. Team B commences batting on time and its innings is suspended at 18.4 overs due to heavy rain with the score at 3-105.

The umpires determine Team B will now lose 6 overs (44 overs maximum) and resumes its inning with no further suspensions occurring, however again rain looming.

Determining a new Target score required for Team B to complete its innings.

<p>1. Open App and select D/L calculator as above a) Clear any values</p>	
<p>2. Enter Innings 1 details b) 'Overs' = 50 c) Enter 'Batting Team 1 = 223</p>	
<p>3. Click 2nd Innings Target correctly shown as 224</p>	
<p>4. Suspension Periods → New Suspension Period a) 'At Over' = 18.4 b) 'Runs' = 105 c) 'Wickets' = 3 d) 'Overs Remaining' = 25.2 e) Done</p>	

Note: Overs remaining = 44 – 18.4 – 6 = 25.2

'Par score (18.4 overs) = 82/3

'Target (44.0 overs)' = 209

Suspension 1 ✕

AT OVER	18.4
RUNS	105
WICKETS LOST	3
OVERS REMAINING AFTER SUSPENSION	25.2

	1st Innings	2nd Innings	
	OVERS	WICKETS	RUNS
BT Batting Team 2			
TARGET SCORE	44		209
PAR SCORE	18.4	3	82

Team B – Target score is 209 runs to win or 208 runs to Tie from 44 overs.

While Team B is batting rain appears to be approaching at 35 overs played with the score at 5-150.

Determining the required Par Score

5. Whilst still on 2nd Innings
 Tap Suspension Periods
 a) Tap New Suspension Period
 b) 'At Over' = 35
 c) 'Runs' = 150
 d) 'Wickets lost' = 5
 e) 'Overs Remaining After Suspension' = 0
 f) Done

Suspension 2

AT OVER 35

RUNS 150

WICKETS LOST 5

OVERS REMAINING AFTER SUSPENSION 0

Team B – Target Score value required if match washed out at the end of 35 overs is 155 runs


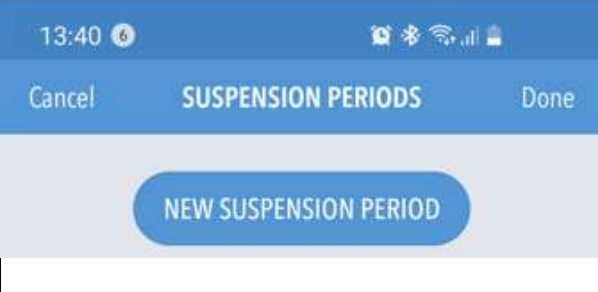
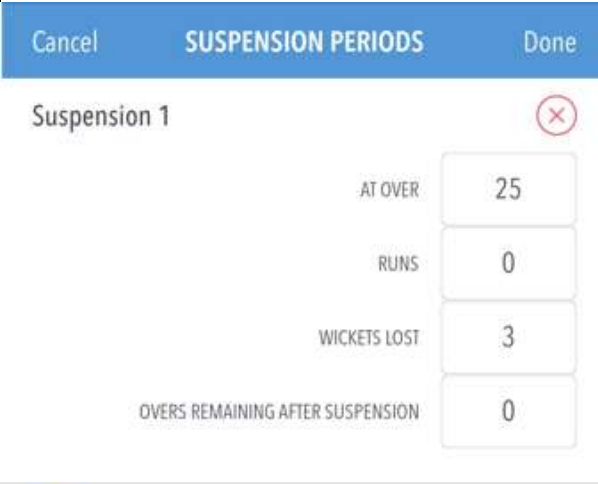
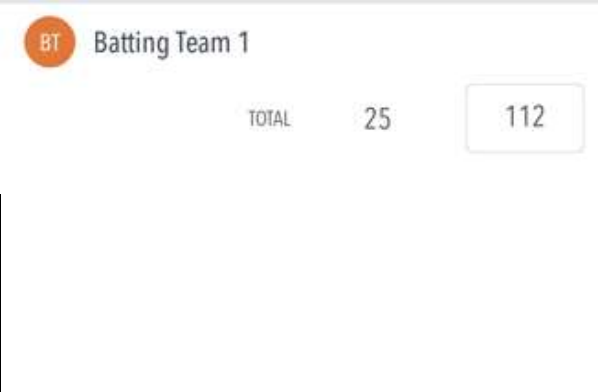
Team B is currently 4 runs behind.

	1st Innings	2nd Innings	
	OVERS	WICKETS	RUNS
BT Batting Team 2			
TARGET SCORE	35		155
PAR SCORE	35	5	208
Suspension Periods	>		

Example 2: Second Grade 50 over match – suspension only during 1st Innings

Match starts on time with Team A batting before a storm stops play after 25 overs at 3-112. After the delay the umpires determine the match can continue and will now be 25 overs per team which constitutes a match. Team A innings is now finished.

Determining the Target score required for Team B to win from 25 overs.

<p>1. Open App and select D/L calculator as above a. Clear any values</p>	
<p>2. Ensure a) 'Overs at start of the innings' = 50</p> <p>3. Tap Suspension Periods a. New Suspension Period</p> <p>b. 'At Over' = 25 c. 'Runs' = 112 d. 'Wickets Lost' = 3 e. 'Overs Remaining' = 0 f. Done</p> <p>4. 'Batting Team 1 Runs' = 112</p>	 <p>Cancel D/L CALCULATOR Clear</p> <p>Overs: 50 G50 Value: 245</p> <p>1st Innings 2nd Innings</p> <p>OVERS RUNS</p>  <p>13:40 6</p> <p>Cancel SUSPENSION PERIODS Done</p> <p>NEW SUSPENSION PERIOD</p>  <p>Cancel SUSPENSION PERIODS Done</p> <p>Suspension 1</p> <p>AT OVER 25</p> <p>RUNS 0</p> <p>WICKETS LOST 3</p> <p>OVERS REMAINING AFTER SUSPENSION 0</p>  <p>BT Batting Team 1</p> <p>TOTAL 25 112</p>

5. Tap 2nd Innings
'Target Score' = 168

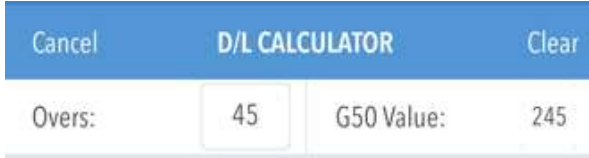
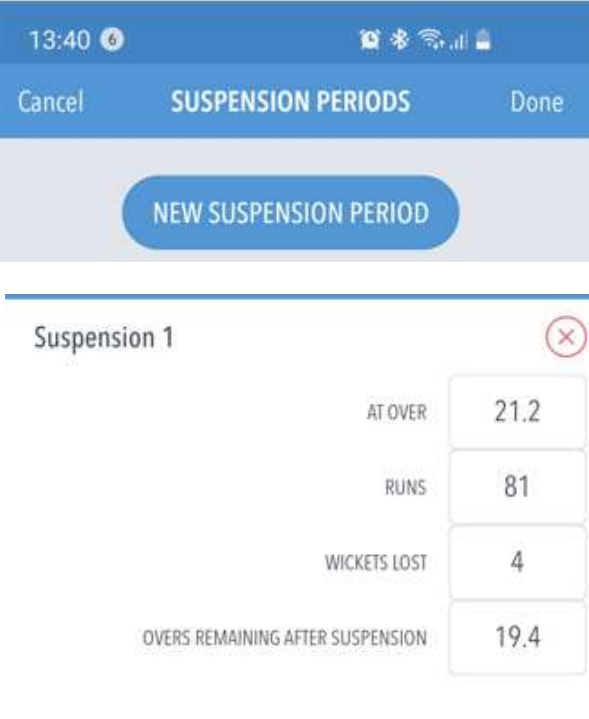

1st Innings		2nd Innings	
OVERS	WICKETS	OVERS	RUNS
BT Batting Team 2			
TARGET SCORE	25		168
PAR SCORE	<input type="text" value="0"/>	<input type="text" value="0"/>	0

Team B – Target score is 168 runs to win or 167 runs to Tie from 25 overs.

Example 3: Fourth Grade 45 over match – suspensions during both innings

Match starts on time. While Team A is batting the weather suspends play forcing the teams from the field at 4-81 from 21.2 overs. Play is resumed with the umpires determining 4 overs are lost for each team’s innings (max 41 overs per team) and Team A completes its innings scoring 175 runs.

Determining the required new Target score for Team B at the start of its innings.

<p>1. Open App and select D/L calculator as above a. Clear any values</p>	
<p>2. Enter Innings 1 details a. ‘Overs available at innings start’ = 45</p> <p>3. Tap Suspension Periods a. New Suspension Period</p> <p>b. ‘At Over’ = 21.2 overs c. ‘Runs’ = 4 d. ‘Wickets lost’ = 4 e. ‘Overs Remaining After Suspension’ = 19.4</p> <p><i>Overs Remaining = 45 – 21.2 – 4 = 19.4</i></p> <p>4. ‘Batting Team 1 = 175</p>	  

5. Tap 2nd Innings 'Target (41 overs)' = 176	1st Innings	2nd Innings	
	OVERS	WICKETS	RUNS
	BT Batting Team 2		
	TARGET SCORE	41	176
	PAR SCORE	0	0

Team B – Target score is 176 runs to win or 175 runs to Tie from 41 overs.

Team B commences batting on time before weather ends its innings for the day at a score of 6-142 with 5 overs still remaining.

Determining the match winner.

6. Whilst still on 2nd Innings a) Tap Suspension Periods b) New Suspension Period c) 'At over' = 36 d) 'Runs' = 36 e) 'Wickets lost' = 6 f) 'Overs Remaining' = 0 g) Done Target Score = 148/6	
	7. Result Team A defeated Team B

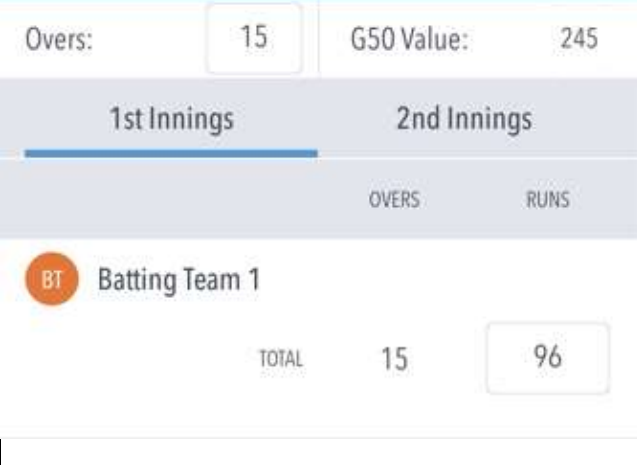
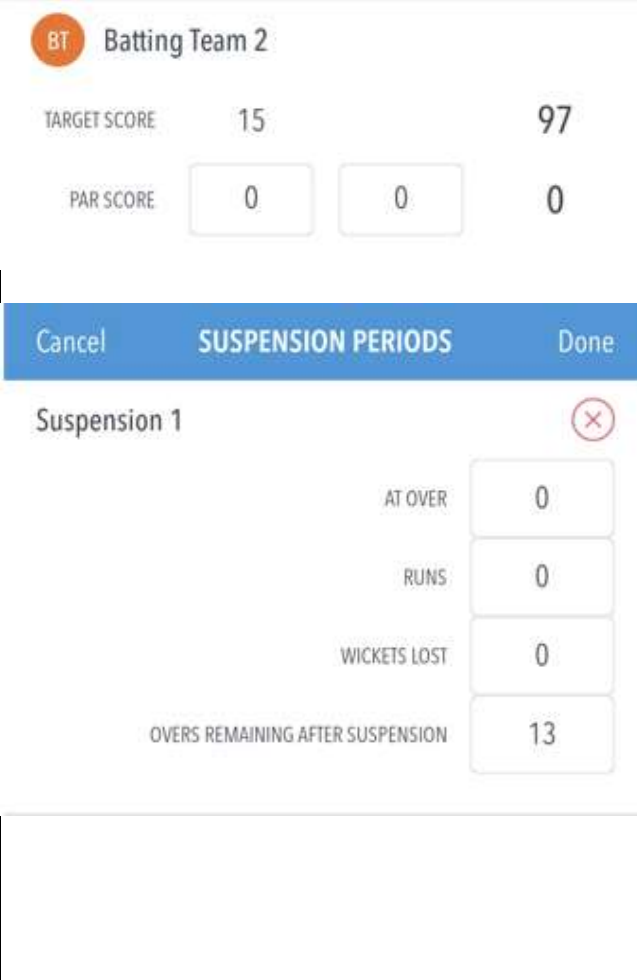


Example 4: T20 match – delayed start for 1st Innings plus a delayed start and an suspension during 2nd Innings

Match has a delayed start and the umpires determine the match will be 15 overs per team.

Team A bats uninterrupted scoring 6-96. Rain delays the start of 2nd innings with the umpires determining a loss of 2 overs for Team B.

Determining a new Target score required for Team B at the start of its innings.

<p>1. Open App and select D/L calculator as above a) Clear any values</p>	
<p>2. Enter Innings 1 details b) 'Overs available at innings start' = 15 (reduced overs) c) Batting Team 1 = 96</p>	
<p>5. Tap 2nd Innings Target 97</p> <p>6. Tap Suspension Period a) New Suspension Period b) 'At Over' = 0 c) 'Runs' = 0 d) 'Wickets lost' = 0 e) 'Overs Remaining after Suspension' = 13 f) Done</p>	

'Target (13.0 overs)' = 86

BT Batting Team 2

TARGET SCORE 13 86

PAR SCORE 0

Team B – Target score is 86 runs to win or 85 runs to Tie from 13 overs.

Team B commences batting and its innings is suspended after 4.2 overs at 2-28. A further 2 overs are lost. No further suspensions occur and the innings is completed.

Determining a new Target score required for Team B to complete its innings.

Note: a second suspension is now added to the 2nd Innings calculation

9. Whilst still on 2nd Innings
- a) Suspension Periods
 - b) New Suspension Period
 - c) 'At Over' = 4.2
 - d) 'Runs' = 28
 - e) 'Wickets lost' = 2
 - f) 'Overs Remaining After Suspension' = 6.4
 - g) Done

Note: $Overs\ Remaining = 13 - 4.2 - 2 = 6.4$

'New Target' = 74

Suspension 2 ✕

AT OVER	4.2
RUNS	28
WICKETS LOST	2
OVERS REMAINING AFTER SUSPENSION	6.4

BT Batting Team 2

TARGET SCORE	11	74	
PAR SCORE	4.2	2	27

Team B – Target score is now 74 runs to win or 73 runs to Tie from 11 overs.