

**Instructions for using the free calculator on the Fancy Fox Publications home page.** Enter your data on the **Data Entry** table. The L,M,H in the last column is your estimate of whether the item was intended to be Low, Medium, or High difficulty to compare with the actual percentage correct (column 3). You can make new estimates the next time you administer the tests to better match the actual percentage correct or you can revise the item to meet your intended difficulty. Be sure to click on "Enter" after you enter the last line of data and before you click on **Generate Report 1**. The second table on this page is the generated **Report 1**. Press **Download Report 1** to download Report 1 to an Excel file. After downloading Report 1, press **Generate Report 2**.

**Data Entry: Enter Specific Learning Outcome (sLO) Data**

Specific Outcome (sLO)	Item Number	Percentage Correct	Estimated Item Difficulty	
1.1.1	2	80	E	Remove
1.1.1	3	85	L	Remove
1.1.2	4	80	M	Remove
1.1.2	5	65	H	Remove
1.1.2	6	70	H	Remove
1.2.1	7	75	M	Remove
1.2.1	8	80	M	Remove
1.2.1	9	92	L	Remove
2.1.1	10	85	L	Remove
2.1.1	11	70	M	Remove
2.1.1	12	75	M	Remove
2.1.2	13	89	L	Remove
2.1.2	14	95	L	Remove
2.2.1	16	88	M	Remove
2.2.1	17	85	L	Remove
2.2.1	18	68	H	Remove
				Enter

**Generate Report 1**

**Report 1. sLO Table with Goal and GLO**

Goal	General Outcome (GLO)	Specific Outcome (sLO)	Item Number	Percentage Correct	Item Difficulty
1	1.1	1.1.1	2	80	E
1	1.1	1.1.1	3	85	L
1	1.1	1.1.2	4	80	M
1	1.1	1.1.2	5	65	H
1	1.1	1.1.2	6	70	H
1	1.2	1.2.1	7	75	M
1	1.2	1.2.1	8	80	M
1	1.2	1.2.1	9	92	L
2	2.1	2.1.1	10	85	L
2	2.1	2.1.1	11	70	M
2	2.1	2.1.1	12	75	M
2	2.1	2.1.2	13	89	L
2	2.1	2.1.2	14	95	L
2	2.2	2.2.1	16	88	M
2	2.2	2.2.1	17	85	L
2	2.2	2.2.1	18	68	H

Downloaded Report 1 Excel file looks like this.

Goal	General O	Specific O	Item Num	Percentag	Item Difficulty
1	1.1	1.1.1	2	80	E
1	1.1	1.1.1	3	85	L
1	1.1	1.1.2	4	80	M
1	1.1	1.1.2	5	65	H
1	1.1	1.1.2	6	70	H
1	1.2	1.2.1	7	75	M
1	1.2	1.2.1	8	80	M
1	1.2	1.2.1	9	92	L
2	2.1	2.1.1	10	85	L
2	2.1	2.1.1	11	70	M
2	2.1	2.1.1	12	75	M
2	2.1	2.1.2	13	89	L
2	2.1	2.1.2	14	95	L
2	2.2	2.2.1	16	88	M
2	2.2	2.2.1	17	85	L
2	2.2	2.2.1	18	68	H

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Goal	General O	Specific O	Attainment Value
1			78
	1.1		76
		1.1.1	82
		1.1.2	71
	1.2		82
		1.2.1	82
2			81
	2.1		82
		2.1.1	76
		2.1.2	92
	2.2		80
		2.2.1	80

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### Report 2. Attainment Values For All Three Outcome Levels

Goal	General Outcome (GLO)	Specific Outcome (sLO)	Attainment Value
1			78
	1.1		76
		1.1.1	82
		1.1.2	71
	1.2		82
		1.2.1	82
2			81
	2.1		82
		2.1.1	76
		2.1.2	92
	2.2		80
		2.2.1	80