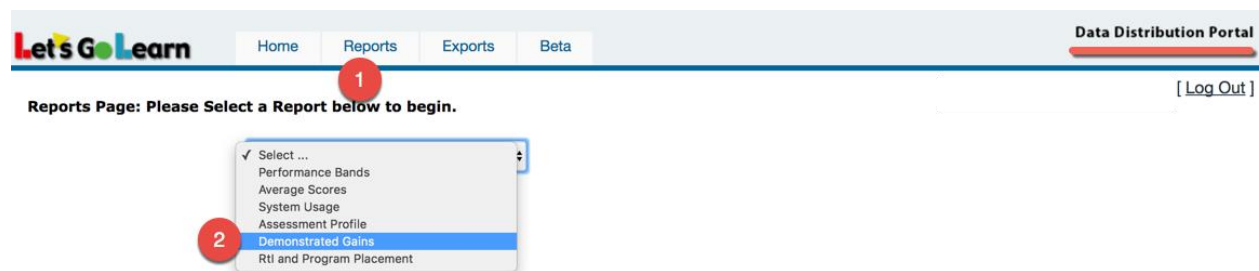


Using the Demonstrated Gains Report to Measure *LGL Edge* Gains in Pre-Algebra.

Overview: This report is designed to show student growth based on varying usage levels of either *LGL Math Edge*. The idea is to sort students into varying groups based on how much *LGL Edge* supplemental instruction they have completed. Keep in mind that only students who complete a pre- and post-assessment in the date range will be included in the report. Also, data may be skewed if there are multiple student groups within the sample being examined.

Step One: Once logged into the LGL Data Portal...



- (1) Go to the Report menu.
- (2) Select the "Demonstrated Gains Report" option.

Step Two: Choose your assessment.

- DORA Demonstrated Gains
 ADAM Demonstrated Gains
 DOMA Pre-Algebra Demonstrated Gains

Step Three: You **MUST** choose one or more sites and then **SET** the site.



- (1) Check the boxes next to the sites you wish to select. Teachers choose a class.
- (2) You **MUST** click the **<Set/Update Site>** button.

Step Four: After selecting your site, choose your parameters on the left and then hit the <Begin> button to update the graph on the right. See below...

Test Range:
Start: 09/01/2017
End: 01/31/2018

Grade Range:
Start: 7

Report Options
Usage
Thresholds:
 Low/Med
Low Range 0 to: 30
Outliers:
 None
 Low
 Moderate
 Aggressive
Additional Options:
 Remove students with no Edge use from sample

Run Report:

% of Students Proficiency by Pre/Post Testing (T1/T2)

Category	Test 1 Low-Use	Test 2 Low-Use	Test 1 Med-Use	Test 2 Med-Use
Basic Math Skills (BMS)	10.3	27.6	18.2	48.1
Pre-Algebra Skills	23.8	38.1	50.5	70.1
Raw Score	15.9	32.5	41	65

Years of Gain

Group	Years of Gain
Low-Use Grp	0.50
Med-Use Grp	0.49

Category	BMS 1 % Prof	BMS 2 % Prof	Pre-Alg 1 % Prof	Pre-Alg 2 % Prof	Raw Score 1 % Prof	Raw Score 2 % Prof	Total GLS	Total Count
Low	8.7	25.4	20.3	33.8	13.5	28.4	0.50	126
Medium	17.3	45.7	48.5	67.3	39.4	62.5	0.49	100

Sites: PS 37,PS 3,PS 16,PS 22,PS 23,PS 33,PS 4
Start Date: 09/01/2017 Grade Start: 7 Outlier Level: None
Start Date: 01/31/2018 Grade End: 7.99 Low:< 7.1 hours use Med: +7.1 hours use

- (1) Enter in the date range of the period to analyze. This should encompass your pre and post assessment windows--i.e., pre-tests completed in September, post-tests in January. So the window entered would be: 9/1/2017 and 1/31/2018.
- (2) Enter in the grade ranges you want to examine.
- (3) The "Low/Med" usage threshold will produce a graph broken down into Basic Math Skills (BMS) Constructs 1 through 5 and Pre-Algebra Skills Constructs 6 through 14. Enter in the total number of LGL Edge lessons completed by each student as your threshold. We have chosen 30 in our example.
- (4) Outliers remove extreme gains or losses caused by students not trying on either their pre- or post-assessments. For smaller samples, you can try to use this "outlier" option to cleanse your data.
- (5) The "Remove students with no *Edge* use from sample" option takes any students with 0 or null *Edge* lessons completed and eliminates them from the analysis. You would use this if your entire school tested pre and post, but only your at-risk students used *Edge*.
- (6) Hit the <Begin> button to generate the graph or to update the graph after changing options.
- (7) The graph view shows the percent of proficiency on pre- and post-tests by each usage group, Basic Math Skills (BMS) and Pre-Algebra Skills. Subtract the Test 2 percent from the Test 1 percent in each usage group to see the overall percentage gain.
- (8) The Raw Score section shows percent of proficiency after working on *LGL Edge* for both Basic Math Skills (BMS) and Pre-Algebra Skills combined. Again, subtract Test 2 from Test 1 in each usage group to see the overall percentage gain.
- (9) The table view shows the percent of proficiency on pre- and post-test by each usage group. Subtract Test 2 from Test 1 in each usage group to see the overall percentage gain.
- (10) Total-GLS – Estimated grade-level years of gain after using *Edge*. Note: Pre-Algebra assessment results are not native scores like *ADAM*, -which is why GLS is estimated.
- (11) The number of lessons used in the thresholds is approximately converted to the number of hours on task. In this example, the threshold is 30 lessons. The low-use group has used the program for 7.1 hours or less. The med-use group has used the program for 7.1 hours or more.

Step Five: Save your final report...



Click on the "Disk" icon to choose report download options.