

Table 3-2

SAMPLE TEST REPORTS

Assume score of 755 is mean grade equivalent for grade 3 and 800 for grade 4. The + sign indicates a scale score above grade equivalent.

Grade 3 01	St. Scores
Student ID	
A	755
B	766+
C	754
D	786+
E	743
F	762+
G	770+
H	766+
I	759+
J	778+
Mean	763.9
% over GE	70%

Grade 4 02	St. Scores
Student ID	
A	801+
B	805+
C	811+
D	829+
E	789
F	812+
G	809+
H	818+
I	798
J	822+
Mean	808.5
% over GE	80%

Grade 3 02	St. Scores	<p style="text-align: center;">DATA REPORTING</p> <p>* You can compare mean scores of Grade 3 01 and Grade 3 02. The ANOVA function indicates that the 8.27 point difference is <i>not significant</i>. Grade 3 02 did <i>not</i> perform significantly better than grade 3 01.</p> <p>* You can compare the percentage of students above GE for Grade 3 and Grade 4 because you are comparing the same group of students.</p> <p>* You cannot compare mean scores across grade levels because the scales are different for different tests.</p> <p>* Comparing the percentage of students above GE among two different groups of students is imprecise and misleading.</p>
Student ID		
AA	790+	
BB	785+	
CC	792+	
DD	778+	
EE	739	
FF	768+	
GG	750	
HH	774+	
II	748	
JJ	747	
KK	795+	
LL	788+	
Mean	771.17	
% over GE	67%	

ANOVA (Analysis of Variance)

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	10	7639	763.9	152.76667
Column 2	12	9254	771.166667	409.060606

ANOVA

Source of Variation	SS	df	MS	Between Groups:	
Between Groups	288.024242	1	288.024242	F	0.98058039
Within Groups	5874.56667	20	293.728333	P-value	0.33388545
Totals	6162.59091	21		F Crit	4.35125003

The P-value of 0.333 means that the difference is not significant.

When the P-value is 0.05 or less, the difference is significant.