

Chabot College

Math Assessment Recommendations: Fall 2017

Good News for the Multiple Measures

Math's foray into multiple measures to assess student readiness in math continues to show success. Fall 17 assessment results confirmed that using recent high school transcripts along with the math assessment test increased a student's likelihood of being placed in a higher level math course. Four of our five local high school districts provided the transcripts, which were used for placement of their new students in Fall 2017.

Students with both HS transcripts and Accuplacer recs placed higher

A total of 2,194 students took the Accuplacer Math assessment test. Of these, 556 were placed using the highest of either the test or a formula that used their HS GPA, last math class level and grade in that math class. The other 1,638 were given math course recommendations based only on the Accuplacer test.

Students who had the benefit of both the test and their HS transcripts were more likely to place into College Math (53% vs 21%) and much less likely to place into Pre-Algebra (6% vs 32%) than those placed only with the Accuplacer. The Accuplacer placement rates have not changed for years.

Students with HS Transcripts: Final Recommendations

(Highest of HS Transcript or Accuplacer)

	<i>Num</i>	<i>Pct.</i>
1. College-level Math	296	53%
2. Math 55/55A/54/57 Inter Algebra	105	19%
3. Math 53/53A/65/65A Elem Algebra	119	21%
4. Math 104 Pre-Algebra	35	6%
5. Math 103 Basic Math	1	0%
Total	556	100%

Students without Transcripts: Final Recommendations

(Accuplacer only)

	<i>Num</i>	<i>Pct.</i>
1. College-level Math	349	21%
2. Math 55/55A/54/57 Inter Algebra	277	17%
3. Math 53/53A/65/65A Elem Algebra	492	30%
4. Math 104 Pre-Algebra	509	31%
5. Math 103 Basic Math	11	1%
Total	1,638	100%

HS transcripts and Accuplacer produced different recommendations

For students who had recommendations based on both their HS transcript and the Accuplacer, the two sources of assessment produced very different math recommendations. The HS Transcripts placed 45 percent into College Math while the Accuplacer placed 27 percent into College Math.

The HS transcript formula benefits students with high HS GPAs by placing them closer to their high school math completion, correcting for low placement by Accuplacer due to low test preparation.

Students with HS Transcripts: High School Transcript Recommendations

	<i>Num</i>	<i>Pct.</i>
1. College-level Math	249	45%
2. Math 55/55A/54/57 Inter Algebra	68	12%
3. Math 53/53A/65/65A Elem Algebra	148	27%
4. Math 104 Pre-Algebra	80	14%
5. Math 103 Basic Math	11	2%
Total	556	100%

Students with HS Transcripts: Accuplacer Recommendations

	<i>Num</i>	<i>Pct.</i>
1. College-level Math	148	27%
2. Math 55/55A/54/57 Inter Algebra	117	21%
3. Math 53/53A/65/65A Elem Algebra	168	30%
4. Math 104 Pre-Algebra	120	22%
5. Math 103 Basic Math	3	1%
Total	556	100%