

# MATHEMATICS: CONTENT KNOWLEDGE (5161) –January 2015

**Total Number of Unduplicated People that have taken the Math Praxis Exam (All States): 2359**  
 Percent Passing (160): 39.25%

**Total Number of Unduplicated People that have taken the Math Praxis Exam (South Dakota): 99**  
 Passing: 52  
 Not Passing: 47  
 Percent Passing: 52.5%

**Total Number of Unduplicated People that are Math Majors: 40**  
 Passing: 29  
 Not Passing: 11  
 Percent Passing: 72.5%

## Multistate Standard-Setting Study (February 2013)

Two individuals from South Dakota were on this panel

**Recommended Passing Score: 160**

-2 conditional standard error of measurement 145  
 -1 conditional standard error of measurement 152  
 +1 conditional standard error of measurement 170  
 +2 conditional standard error of measurement 178

**States Using this Exam: 36**

Cut Score of 134: 1 State  
 Cut Score of 145: 1 State  
 Cut Score of 152: 1 States  
 Cut Score of 160: 33 States

## ANALYSIS OF TEST RESULTS – SD Educators

BY MAJOR	TOTAL	160 + cut score	152 – 159 cut score	145-151 cut score	<145 cut score	Passing	Not Passing	% Passing	% Passing 152 cut score
<b>Math</b>	40	29	4	3	4	29	11	72.5%	82.5%
<b>Elem Ed</b>	4	1	0	2	1	1	3	33.3%	33.3%
<b>SPED</b>	8	1	0	0	7	1	7	14.2%	14.2%
<b>Social Science</b>	6	3	0	1	2	3	3	50.0%	50.0%
<b>Science</b>	7	2	0	0	5	2	5	28.5%	28.5%
<b>Other Major</b>	10	3	3	0	4	3	7	30.0%	60.0%
<b>Unknown</b>	24	13	2	2	7	13	11	56.5%	65.2%
<b>TOTAL</b>	<b>99</b>	<b>52</b>	<b>9</b>	<b>8</b>	<b>30</b>	<b>52</b>	<b>47</b>	<b>52.5%</b>	<b>61.6%</b>