

4 Calculate the Percentage of the Total Possible Points for Identified Power Standards

Insert for Process Step 4

1. Now that you have identified the power standards that account for a higher number of possible points on the assessment, let's calculate the percentage of the subject area score that these power standards account for. The examples use MME Reading and Writing. You will still be using the Score Distribution pages of the report. Remember to do these calculations using your data.

Subscore	No. of Students Assessed	Mean Points	Points Possible	Percent of Students Scoring in Each Raw Score Range												
MME Reading	136			0	1	2	3	4	5-6	7-8	9-10	11-12	13-15	16-18	19-21	22-24
R2.1 Strategy Development		11.5	24	0	0	0	1	1	7	11	18	27	20	13	2	0
R2.2 Meaning Beyond Literal		5.7	16	0	4	6	10	14	33	18	10	4	1	0		
R2.3 Independent Reading		4.2	7	1	3	10	14	29	40	4						
L3.1 Close Literature Reading		1.4	4	19	40	27	10	4								

- a. Add the points possible for the power standards identified in Step 3 for one subject area. The example uses MME Reading. In this example in MME Reading, the total points possible for the standards highlighted in Step 3 are:

$$24 + 16 = 40$$

- b. Next, add the total points possible for MME Reading.

$$24 + 16 + 7 + 4 = 51$$

- c. Use a calculator to divide the total from Step 4a by the total from Step 4b to calculate the percentage of the total score that the identified power standards are worth. You can multiply your answer by 100 to get it into a percent format.

$$1) 40/51 = .78 \qquad 2) .78 \times 100 = 78\%$$

- d. Therefore, assessment items related to the two highlighted power standards make up 78% of the score for the Reading portion!

2. Let's work through another example using the MME Writing data.

Subscore	No. of Students Assessed	Mean Points	Points Possible	Percent of Students Scoring in Each Raw Score Range															
MME Reading	136			0	1	2	3	4	5-6	7-8	9-10	11-12	13-15	16-18	19-21	22-24			
R2.1 Strategy Development		11.5	24	0	0	0	1	1	7	11	18	27	20	13	2	0			
R2.2 Meaning Beyond Literal		5.7	16	0	4	6	10	14	33	18	10	4	1	0					
R2.3 Independent Reading		4.2	7	1	3	10	14	29	40	4									
L3.1 Close Literature Reading		1.4	4	19	40	27	10	4											
MME Writing	139			0	1	2	3-4	5-6	7-8	9-10	11-13	14-16	17-19	20-22	23-25	26-28			
W1.1 Writing Process		6.7	16	0	1	3	17	29	28	12	8	2							
W1.3 Purpose & Audience		11.4	28	0	0	0	1	5	10	32	29	13	6	3	1	0			
ACT Writing*		5.7	12	0	0	4	19	47	29	1	0								
W1.4 Inquiry & Research		0.7	2	43	46	11													
LAN4.1 Effective Use of Language		3.5	11	4	7	23	37	24	3	1	0								

- a. Add the points possible for the power standards identified in Step 3 for MME Writing. The total points possible for the MME Writing standards highlighted in Step 3 are:

$$16 + 28 = 44$$

- b. Next add the total points possible for MME Writing.

$$16 + 28 + 12 + 2 + 11 = 69$$

- c. Use a calculator to divide the total from Step 4a by the total from Step 4b to calculate the percentage of the total score that the identified power standards are worth. You can multiply your answer by 100 to get it into a percent format.

$$1) 44/69 = .64$$

$$2) .64 \times 100 = 64\%$$

- d. Therefore, assessment items related to the two highlighted power standards for MME Writing make up 64% of the score for the Writing portion!

Note: As you continue to do the calculations for different subject areas, you will see that in most of the cases the percentage calculated in Step 4c will account for 45% or more of the total score! Thinking ahead...where do you think you should spend more instructional time?