

Math and Reading z-scores - Chapter. 8

	Math	Reading	ZMath	ZReading
1	4.00	24.00	-1.38873	-1.38873
2	6.00	26.00	-.92582	-.92582
3	8.00	28.00	-.46291	-.46291
4	10.00	30.00	.00000	.00000
5	12.00	32.00	.46291	1.38873
6	14.00	34.00	.92582	.92582
7	16.00	36.00	1.38873	1.38873

Math and Reading Output Report - Chapter. 8

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Math	7	4.00	16.00	10.0000	4.32049
Reading	7	24.00	36.00	30.0000	4.32049
Valid N (listwise)	7				

Exercise for Chapter. 8

Self Esteem and an Optimism output

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Esteem	9	15.00	30.00	20.6667	5.59017
Optimism	9	10.00	19.00	14.0000	3.00000
Valid N (listwise)	9				

Z-Scores for Self Esteem and Optimism

	Esteem	Optimism	Zesteem	Zoptimism
1	30	17	1.6696	1
2	27	19	1.13294	1.66667
3	25	15	0.77517	0.33333
4	22	14	0.23851	0
5	19	16	-0.29814	0.66667
6	17	10	-0.65591	-1.33333
7	16	12	-0.8348	-0.66667
8	15	11	-1.01368	-1
9	15	12	-1.01368	-0.66667

1. What is the z – score on Optimism for Participant 3? **A. .333**
2. Which participant is exactly at the mean (i.e., exactly average) on Optimism? What is the z – score for this participant? **A. Participant 4 is exactly at the mean for Optimism. Z – Score on Optimism for Participant 4 is .00000.**
3. How many participants have negative z –scores on Self Esteem? **A. 5 participants have negative z – scores on Self Esteem.**
4. On Self Esteem, which participant is furthest form the mean? What is his or her z –score? **A. Participants 8 and 9 are furthest from the mean. The z – score for participants 8 and 9 is -1.01368.**