

**z Table Practice Exercises****ANSWERS****Dr. Anthony A. Walsh**

1.	Between the mean and a z of 0.25	9.87%
2.	Between the mean and a z of 1.50	43.32%
3.	Between a z of -1.00 and the mean	34.13%
4.	Between a z of -1.75 and the mean	45.99%
5.	Area beyond a z of 1.00	15.87%
6.	Area beyond a z of 1.83	3.36%
7.	Area below a z of -1.00 ( 15.87%)	16 <sup>th</sup> % (a percentile)
8.	Area below a z of -0.91 (18.14%)	18 <sup>th</sup> % (a percentile)
9.	Area above, to the right of, a z of -1.00	84.13%
10.	Area to the left of a z of 3.05 (99.89%)	99 <sup>th</sup> %(a percentile) <sup>1</sup>
11.	Area between a z of -1.00 and a z of 2.00	81.85%
12.	Area between a z of -2.00 and a z of 1.50	91.04%
13.	Area between a z of 1.00 and a z of 2.00	13.59%
14.	Area between a z of 1.28 and a z of 2.58	9.54%
15.	Area between a z of -0.83 and a z of -0.51	10.17%
16.	Area between a z of -0.25 and a z of -1.35	31.28%
17.	Area to the right of the mean	50.00%
18.	Area below -0.50 <u>plus</u> area beyond 1.50	37.53%
19.	Area between the mean and a z of 1.00	34.13%
20.	Area between the mean and a z of 1.96	47.50%

<sup>1</sup> Technically, there is no such position as the 100<sup>th</sup> percentile, although we all know it IS possible to be all alone with the absolute HIGHEST GRADE, for example, on an exam.