

**155.** You are given the following data:

0.49   0.51   0.66   1.82   3.71   5.20   7.62   12.66   35.24

You use the method of percentile matching at the 40<sup>th</sup> and 80<sup>th</sup> percentiles to fit an Inverse Weibull distribution to these data.

Determine the estimate of  $\theta$ .

- (A) Less than 1.35
- (B) At least 1.35, but less than 1.45
- (C) At least 1.45, but less than 1.55
- (D) At least 1.55, but less than 1.65
- (E) At least 1.65