

Q-QUIZ MARCH 2018 - ANSWERS

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You usually use defined properties in the form of specific characteristics to assess the quality of a product. Technical statistics defines different types of scales for certain types of characteristics. It is even able to specify distribution models and associated characteristics.

1. Diameters in mm follow a metric scale since its characteristic values are real numbers that can be ranked. You may even calculate the distances between single values.
2. School grades follow an ordinal scale since you can compare and order the characteristic values; however, it does not make any sense to calculate the distances between these values.
3. A statistical value is inappropriate for the estimation of process location.
4. The tolerance is inappropriate for the estimation of process variation.