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IED Unit 3 Measurement and Statistics

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| **Across**  **4.** A number value or algebraic equation that is used to control the size or location of a geometric figure. Numeric  **8.** A graph in the coordinate plane representing a set of bivariate data. Scatter  **11.** The value that occurs most frequently in a given data set.  **13.** An international system of units of measurement consisting of seven base units. International System of Units  **14.** To determine the size, amount, or degree of an object by comparison with a standard unit.  **19.** The degree to which repeated measurements show the same result.  **20.** 1. A straight-edged strip of rigid material marked at regular intervals and used to measure distances. 2. A proportion between two sets of dimensions used in developing accurate, larger or smaller prototypes, or models of design ideas.  **21.** A line which represents distance. Dimension  **22.** A non-governmental global organization whose principal activity is the development of technical standards through consensus. International Organization for Standardization  **24.** The degree of closeness of measurements of a quantity to the actual (or accepted) value.  **26.** A change or slight difference in condition, amount, or level.  **29.** Collection of methods for planning experiments, obtaining data, organizing, summarizing, presenting, analyzing, interpreting, and drawing conclusions based on data.  **31.** A measuring instrument having two adjustable jaws typically used to measure diameter or thickness. | **Down**  **1.** A method of visually displaying a distribution of data values where each data value is shown as a dot or mark above a number line. Also known as a dot plot. Line  **2.** System of measurement used in the United States. US Customary Measurement  **3.** Used to indicate the end of a dimension line or leader.  **5.** A group of values that is used to analyze the distribution of data.  **6.** A measurable extent, such as the three principal dimensions of an object as in width, height, and depth.  **7.** The rate at which something occurs over a particular period or in a given sample.  **9.** The distance of a value in a population (or sample) from the mean value of the population (or sample). Standard  **10.** A function that represents the distribution of variables as a symmetrical bell-shaped graph. Normal  **12.** A measure of center in a set of numerical data. The median of a list of values is the value appearing at the center of a sorted version of the list – or the mean of the two central values if the list contains an even number of values.  **15.** A standard quantity in terms of which other quantities may be expressed.  **16.** A graph of vertical bars representing the frequency distribution of a set of data.  **17.** A diagram showing the relation between variable quantities, typically of two variables measured along a pair of lines at right angles.  **18.** A measure of center in a set of numerical data, computed by adding the values in a list and then dividing by the number of values in the list.  **23.** See line plot. Dot  **25.** To change money, stocks, or units in which a quantity is expressed into others of a different kind.  **27.** Facts and statistics used for reference or analysis.  **28.** The digits in a decimal number that carry meaning contributing to the precision or accuracy of the quantity. Significant  **30.** A group of individual values or bits of information that are related in some way or have some common characteristic or attribute. Data |