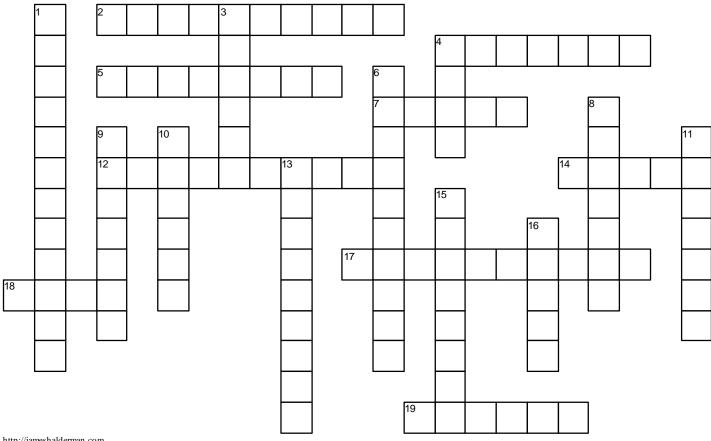
Measuring, Math and Charts Chapter 11



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ACROSS

2 A _____ gauge is used with a micrometer to measure the inside diameter of a hole or bore. 4 A _____ is a graphic design that explains or shows the arrangement of parts. 5 All micrometers should be checked and calibrated as needed using a _____. 7 A _____ is used to represents data, such as numbers or specifications, along with another variable, such as model or year of the vehicle. ____ is the relationship of a value or number out of 100. **14** A _____ is a visual display of information. 17 A _____ is the most commonly used measuring instrument in engine service repair. 18 A ____ indicator is a precision measuring instrument used to measure crankshaft end play, crankshaft runout, and valve guide wear. 19 A _____ gauge is an accurately manufactured strip of metal that is used to determine the gap or clearance

DOWN

| 1 | are units of measure, except for base |
|----|--|
| | units, that are a combination of units of measure. |
| 3 | Another name for the barrel of a micrometer is a |
| 4 | A bore gauge is an expensive, but important, |
| | gauge used to measure cylinder taper and out-of-round |
| | as well as main bearing bore for taper and out-of-round. |
| 6 | notation is written as a number multiplied by |
| | the number of zeros to the right or left of the decimal |
| | point. |
| 8 | A dial caliper is normally used to measure |
| | length, inside and outside diameters, and depth. |
| 9 | Every revolution of the thimble moves the 0.025 |
| | in. |
| 10 | A gear is a rotated by the drive gear. |
| 11 | Therotates over the sleeve on a screw that has |
| | 40 threads per inch. |
| 13 | Another name for a feeler gauge is a gauge. |
| 15 | A is a measurement of something that changes, |
| | such as engine speed or time. |
| 16 | A micrometer is similar to a conventional |
| | micrometer except that it is designed to measure the |
| | depth from a flat surface. |



between two components.