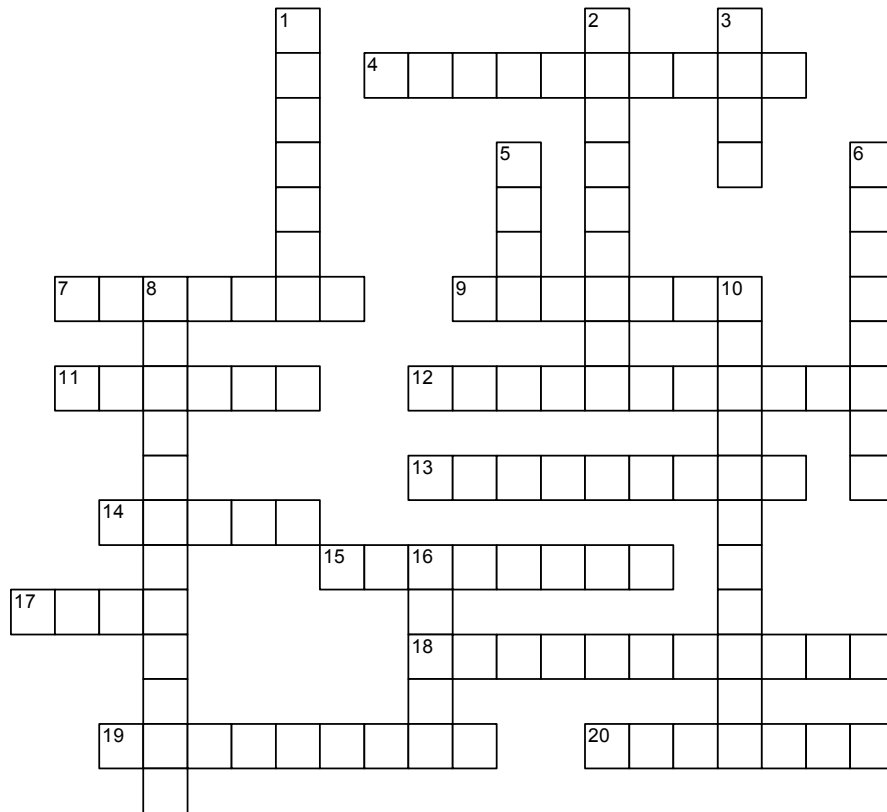


## Engine Measuring and Math



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### Across

- 4 Most used measuring instrument for engine repair
- 7 Axial movement
- 9 Increasing the distance the piston travels in a cylinder
- 11 Used to seal components that bolt together
- 12 Flat steel strip used to measure gaps between two components
- 13 Allowable variation in dimensions
- 14 Diameter at the bottom of a bore measures smaller than the top
- 15 \_\_\_\_\_ edge
- 17 The diameter of a cylinder
- 18 Gauge used to measure inside diameter
- 19 Dial \_\_\_\_\_: used to measure runout
- 20 Part of a camshaft supported by a bearing

### Down

- 1 Equation used for calculations
- 2 Gauge used to measure valve guides
- 3 Block top surface
- 5 Specification that indicates how far a valve is lifted off its seat
- 6 Checked using a straight edge
- 8 Swept volume of a cylinder
- 10 Easier to read than a vernier caliper
- 16 Compression \_\_\_\_\_