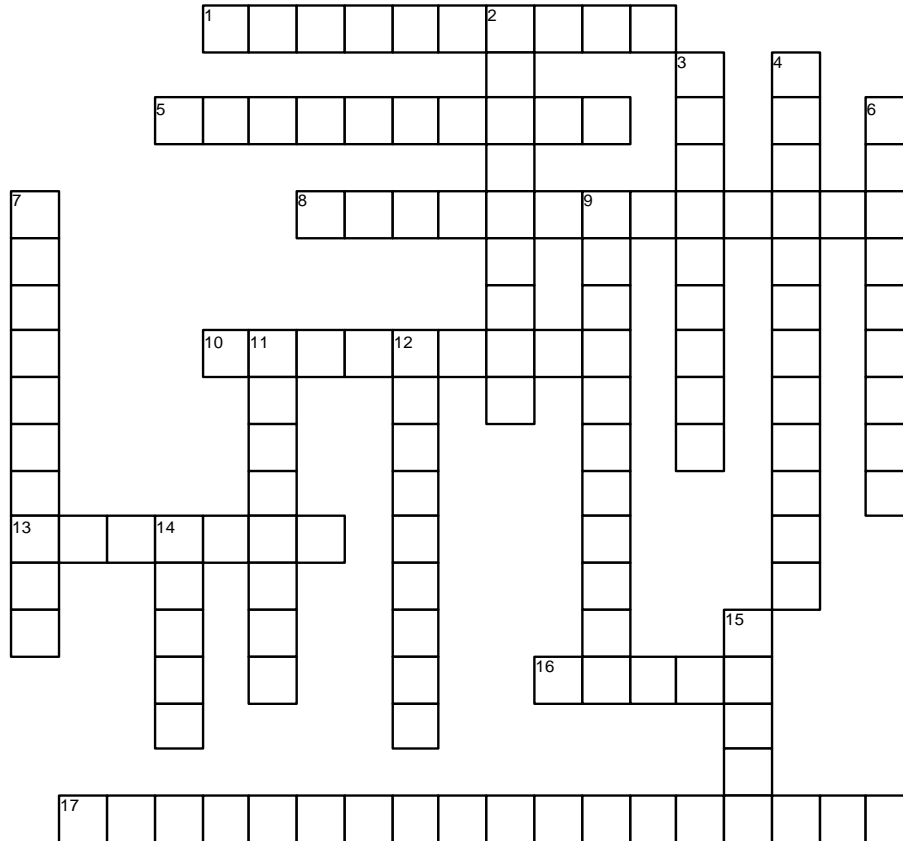


# Math, Charts, And Calculations

## Chapter 14



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### ACROSS

- 1 A \_\_\_\_\_ is rotated by the drive gear.
- 5 \_\_\_\_\_ is the relationship of a value or number out of 100.
- 8 When a driven gear speed is slower than drive gear speed, \_\_\_\_\_ is provided.
- 10 \_\_\_\_\_ is the opposite of a gear reduction condition and occurs when a driven gear turns faster than its drive gear.
- 13 A \_\_\_\_\_ is a graphic design that explains or shows the arrangement of parts.
- 16 A decimal with one number to the right of the decimal point indicates an accuracy of 1/10 or 0.1 called one \_\_\_\_\_.
- 17 \_\_\_\_\_ is written as a number multiplied by the number of zeros to the right or left of the decimal point.

### DOWN

- 2 When one gear turns, another, the speed that the two gears turn in relation to each other is the \_\_\_\_\_.
- 3 \_\_\_\_\_, such as 1/2, 1/4, or 5/8 are commonly found in specifications for hose inside diameter measurements.
- 4 Decimals are used to represent fractions of a unit by using a dot called a \_\_\_\_\_ to indicate that the number is a decimal.
- 6 Decimals with two numbers to the right of the decimal point indicate an accuracy of 1/100 or 0.01 called one \_\_\_\_\_.
- 7 A decimal with three numbers to the right of the decimal point indicates an accuracy of 1/1000 or .001 called one \_\_\_\_\_.
- 9 Since the drive gear turns once for each revolution of the driven gear, the gear ratio is 1:1; this is called a \_\_\_\_\_.
- 11 A \_\_\_\_\_ is a measurement of something that changes, such as engine speed or time.
- 12 Gear ratio is expressed as the number of rotations the \_\_\_\_\_ must make in order to rotate the driven gear through one revolution.
- 14 A \_\_\_\_\_ is a visual display of information.
- 15 A \_\_\_\_\_ is used to represent data, such as numbers or specifications, along with another variable, such as model or year of vehicle.