

Problems

- 2.1 Write an algorithm and draw a flowchart to read three numbers and print the largest.
- 2.2 Write an algorithm and draw a flowchart to read the three sides of a triangle and print a message to show that whether it is a right triangle or not.
- 2.3 A salesman receives a commission of 10% on all sales if he has sold at least L.E. 5000 worth of merchandise, but only 8% if his sales are below L.E. 5000. Write an algorithm and draw a flowchart to read the amount of sales of a salesman and print his commission.
- 2.4 A salesman receives a commission on the following basis:

Sales	Commission
L.E. 0 to 500	2%
over 500 to L.E. 5000	5%
over L.E. 5000	7%

Write an algorithm and draw a flowchart to read the amount of sales of a salesman and print his commission.

- 2.5 A certain metal is graded according to the results of three tests. These tests determine whether the metal satisfies the following specifications:
- a. Carbon content is below 0.67.
 - b. Rockwell hardness is not less than 50.
 - c. Tensile strength is greater than 70,000 psi.

The metal is graded 10 if it passes all three tests, 9 if it passes only tests 1 and 2. It is graded 8 if it passes only test 1, and 7 if it passes none of the tests. Write an algorithm and draw a flowchart to read the three test parameters and determine the grade of the metal.