



Sabaragamuwa Provincial Department of Education – Weekly School

Grade 10

Information & Communication Technology

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1. Convert the following decimal numbers into octal numbers.

- a. 394
- b. 784
- c. 1264
- d. 62
- e. 468

2. Convert the following octal numbers into decimal numbers.

- a. 370_8
- b. 1071_8
- c. 16475_8
- d. 425_8
- e. 56_8

Following table can be used in conversion between octal number system and binary number system.

Octal number	0	1	2	3	4	5	6	7
Binary equivalent	000	001	010	011	100	101	110	111

3. Convert the following octal numbers into binary numbers.

- a. 711_8
- b. 615_8
- c. 2415_8
- d. 4404_8
- e. 522_8

4. Convert the following binary numbers into octal numbers.

- a. 110101110_2
- b. 110011011_2
- c. 1010001011_2
- d. 1110001011_2
- e. 110110011101_2