

Quizzes: Chapter 02

1. The base of the decimal number system is ____.
- a. 2
 - b. 8
 - c. 10
 - d. 16

Correct Answer: (c)

2. The base of the binary number system is ____.
- a. 2
 - b. 8
 - c. 10
 - d. 16

Correct Answer: (a)

3. The base of the octal number system is ____.
- a. 2
 - b. 8
 - c. 10
 - d. 16

Correct Answer: (b)

4. The base of the hexadecimal number system is ____.
- a. 2
 - b. 8
 - c. 10
 - d. 16

Correct Answer: (d)

5. When converting a decimal integer to base b , we repeatedly _____ b .

- a. divide by
- b. multiply by
- c. add to
- d. subtract from

Correct Answer: (a)

6. When converting a decimal fraction to base b , we repeatedly _____ b .

- a. divide by
- b. multiply by
- c. add to
- d. subtract from

Correct Answer: (b)

7. Which of the following representations is erroneous?

- a. $(10111)_2$
- b. $(349)_8$
- c. $(3AB)_{16}$
- d. 256

Correct Answer: (b)

8. Which of the following representations is erroneous?

- a. $(10211)_2$
- b. $(342)_8$
- c. $(EEE)_{16}$
- d. 145

Correct Answer: (a)

9. Which of the following representations is erroneous?

- a. $(111)_2$
- b. $(346)_8$
- c. $(EEG)_{16}$
- d. 221

Correct Answer: (c)

10. Which of the following representations is erroneous?

- a. $(110)_2$

b. $(141)_8$

c. $(EF)_{16}$

d. 22A

Correct Answer: (d)

11. Which of the following is equivalent to 12 in decimal?

a. $(1110)_2$

b. $(C)_{16}$

c. $(15)_8$

d. None of the above

Correct Answer: (b)

12. Which of the following is equivalent to 24 in decimal?

a. $(11000)_2$

b. $(1A)_{16}$

c. $(31)_8$

d. None of the above

Correct Answer: (a)

