

BINARY FORMULA

A bit, which is the smallest data unit, can only have a value of zero or one in the binary system. It cannot represent any other value. A binary on the other hand represents a value of zero and one.

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Q1: What is the base of the binary number system?

- A: 8
 - B: 10
 - C: 16
 - D: 2
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Q2: In binary, what does the number '1010' represent in decimal?

- A: 5
 - B: 10
 - C: 15
 - D: 20
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Q3: What is the binary representation of the decimal number 25?

- A: 11001
 - B: 11100
 - C: 10011
 - D: 11010
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Q4: Subtracting 1011100 from 0111000 we get?

- A: 0011100
 - B: 0000011
 - C: 0100100
 - D: 1000001
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Q5: Multiplying the numbers 1010 and 1001 we get?

- A: 1011010
 - B: 10101010
 - C: 10001000
 - D: 1010
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Q6: What is the binary representation of the number 20?

- A: 1010
 - B: 1020
 - C: 101000
 - D: 10100
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Q7: What number does 10001 signify?

- A: 16
 - B: 17
 - C: 18
 - D: 19
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Q8: Dividing 100001 by 110, we get?

- A: 10
 - B: 12
 - C: 11
 - D: 100
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Q9: Adding 100111 and 11011 we get?

- A: 1000010
 - B: 101010
 - C: 100011
 - D: 1010
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Q10: What is the binary representation of the number 50?

- A: 1010
 - B: 1001
 - C: 100011
 - D: 110010
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Answers

Q1: D - 2

Q2: B - 10

Q3: A - 11001

Q4: C - 0100100

Q5: A - 1011010

Q6: D - 10100

Q7: B - 17

Q8: C - 11

Q9: A - 1000010

Q10: D - 110010