

Question 1: Fill in the missing entries for the expression: A and not B

Option 1: 11

Option 2: 00

Option 3: 10

Option 4: 01

A	B	Q
0	0	0
0	1	?
1	0	?
1	1	0

Answer:

Correct Option: 11

A	B	Q
0	0	0
0	1	0
1	0	1
1	1	0

Question 2: Fill in the missing entries for the expression: A and B and not C and not D

Option 1: 11001100

Option 2: 10011010

Option 3: 10110110

Option 4: 00000000

A	B	C	D	Q
0	0	0	0	0
0	0	0	1	?
0	0	1	0	0
0	0	1	1	?
0	1	0	0	?
0	1	0	1	?
0	1	1	0	?
0	1	1	1	0
1	0	0	0	?
1	0	0	1	0
1	0	1	0	0
1	0	1	1	0
1	1	0	0	1
1	1	0	1	?
1	1	1	0	?
1	1	1	1	0

Answer:

Correct Option: 11001100

A	B	C	D	Q
0	0	0	0	0
0	0	0	1	0
0	0	1	0	0
0	0	1	1	0
0	1	0	0	0
0	1	0	1	0
0	1	1	0	0
0	1	1	1	0
1	0	0	0	0
1	0	0	1	0
1	0	1	0	0
1	0	1	1	0
1	1	0	0	1
1	1	0	1	0
1	1	1	0	0
1	1	1	1	0

Question 3: Fill in the missing entries for the expression: A and B and not C and not D

Option 1: 01000000

Option 2: 00000010

Option 3: 11010101

Option 4: 11110111

A	B	C	D	Q
0	0	0	0	?
0	0	0	1	0
0	0	1	0	?
0	0	1	1	?
0	1	0	0	0
0	1	0	1	?
0	1	1	0	?
0	1	1	1	0
1	0	0	0	0
1	0	0	1	?
1	0	1	0	0
1	0	1	1	0
1	1	0	0	?
1	1	0	1	?
1	1	1	0	0
1	1	1	1	0

Answer:

Correct Option: 01000000

A	B	C	D	Q
0	0	0	0	0
0	0	0	1	0
0	0	1	0	0
0	0	1	1	0
0	1	0	0	0
0	1	0	1	0
0	1	1	0	0
0	1	1	1	0
1	0	0	0	0
1	0	0	1	0
1	0	1	0	0
1	0	1	1	0
1	1	0	0	1
1	1	0	1	0
1	1	1	0	0
1	1	1	1	0

Question 4: Fill in the missing entries for the expression: A and B or C and D

Option 1: 10000111

Option 2: 00011111

Option 3: 10100011

Option 4: 10011110

A	B	C	D	Q
0	0	0	0	0
0	0	0	1	0
0	0	1	0	0
0	0	1	1	?
0	1	0	0	0
0	1	0	1	?
0	1	1	0	0
0	1	1	1	1
1	0	0	0	?
1	0	0	1	?
1	0	1	0	?
1	0	1	1	1
1	1	0	0	?
1	1	0	1	1
1	1	1	0	?
1	1	1	1	?

Answer:

Correct Option: 10000111

A	B	C	D	Q
0	0	0	0	0
0	0	0	1	0
0	0	1	0	0
0	0	1	1	1
0	1	0	0	0
0	1	0	1	0
0	1	1	0	0
0	1	1	1	1
1	0	0	0	0
1	0	0	1	0
1	0	1	0	0
1	0	1	1	1
1	1	0	0	1
1	1	0	1	1
1	1	1	0	1
1	1	1	1	1

Question 5: Fill in the missing entries for the expression: not (A or B)

Option 1: 11

Option 2: 01

Option 3: 10

Option 4: 00

A	B	Q
0	0	1
0	1	?
1	0	0
1	1	?

Answer:

Correct Option: 11

A	B	Q
0	0	1
0	1	0
1	0	0
1	1	0

Question 6: Fill in the missing entries for the expression: A and not B or C or D

Option 1: 11101010

Option 2: 01111101

Option 3: 10110101

Option 4: 10000111

A	B	C	D	Q
0	0	0	0	0
0	0	0	1	1
0	0	1	0	1
0	0	1	1	1
0	1	0	0	?
0	1	0	1	?
0	1	1	0	?
0	1	1	1	?
1	0	0	0	1
1	0	0	1	?
1	0	1	0	1
1	0	1	1	?
1	1	0	0	?
1	1	0	1	1
1	1	1	0	1
1	1	1	1	?

Answer:

Correct Option: 11101010

A	B	C	D	Q
0	0	0	0	0
0	0	0	1	1
0	0	1	0	1
0	0	1	1	1
0	1	0	0	0
0	1	0	1	1
0	1	1	0	1
0	1	1	1	1
1	0	0	0	1
1	0	0	1	1
1	0	1	0	1
1	0	1	1	1
1	1	0	0	0
1	1	0	1	1
1	1	1	0	1
1	1	1	1	1