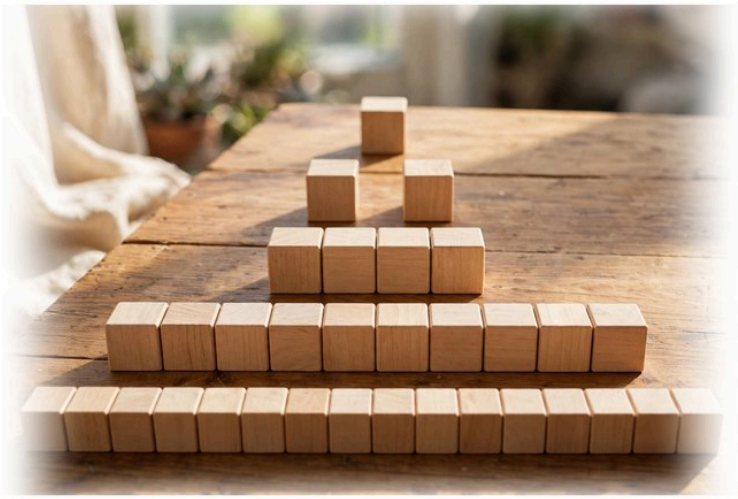
PRINCE EDWARD ISLAND FOUNDATIONS OF MATHEMATICS 12 · UNIT B · 10 QUESTIONS

Logical Reasoning — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **A truth table with 9 simple statements has this many rows**



ANSWER

Understand It with Pulse | Flag a mistake

2 **The converse of the statement if p then q is**

A if q then p

B if not p then not q

C if not q then not p

D p and q

Understand It with Pulse | Flag a mistake

3 **The inverse of if p then q is**

A if not q then not p

B p and q

C if not p then not q

D if q then p

Understand It with Pulse | Flag a mistake

4 **The negation of p and q is**

A not p and not q

B p or q

C p and not q

D not p or not q

Understand It with Pulse | Flag a mistake

5 **The negation of p or q is**

A p and q

B p or not q

C not p and not q

D not p or not q

Understand It with Pulse | Flag a mistake

6 **The number of rows in a truth table with 7 simple statements is**

ANSWER

Understand It with Pulse | Flag a mistake

7 **The statement p implies q is false only when**



A both are true

B p is true and q is false

C p is false and q is true

D both are false

Understand It with Pulse | Flag a mistake

8 **Two statements are equivalent when they have**

A the same truth values in all cases

B the same words

C opposite truth values

D no common variables

Understand It with Pulse | Flag a mistake

9 **A truth table with 10 simple statements has this many rows**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **A truth table with 8 simple statements has this many rows**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 512
2. A
3. C
4. D
5. C
6. 128
7. B
8. A
9. 1024
10. 256

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