Logical Reasoning — Practice Test

Prince Edward Island Foundations of Mathematics 11 • 10 questions

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 **In a class, 35 students play soccer, 50 students play hockey, and 18 students play both sports. How many students play at least one of the two sports**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **Start with the statement If a number is a multiple of six, then the number is a multiple of three. Change it to If the number is a multiple of three is not true, then a number is a multiple of six is not true. This new statement is the**

A converse

B contrapositive

C inverse

D negation

Understand It with Pulse | Flag a mistake

3 **Start with the statement If a number is even, then it is divisible by two. Change it to If it is divisible by two, then a number is even. This new statement is the**

- A inverse
- B contrapositive
- C converse
- D negation

Understand It with Pulse | Flag a mistake

4 **Start with the statement If a number is greater than ten, then the number is greater than five. Change it to If the number is greater than five, then a number is greater than ten. This new statement is the**

- A inverse
- B contrapositive
- C converse
- D negation

Understand It with Pulse | Flag a mistake

5 **Start with the statement If a person is a teenager, then the person is younger than twenty. Change it to If the person is younger than twenty is not true, then a person is a teenager is not true. This new statement is the**

A converse

B contrapositive

C inverse

D negation

Understand It with Pulse | Flag a mistake

6 **Start with the statement If a plant receives sunlight, then the plant grows. Change it to If the plant grows, then a plant receives sunlight. This new statement is the**

A converse

B inverse

C contrapositive

D negation

Understand It with Pulse | Flag a mistake

7 **Start with the statement If a shape is a square, then it has four sides. Change it to If it has four sides is not true, then a shape is a square is not true. This new statement is the**

A converse

B contrapositive

C inverse

D negation

Understand It with Pulse | Flag a mistake

8 **Start with the statement If a student studies, then the student passes the test. Change it to If the student passes the test is not true, then a student studies is not true. This new statement is the**

A converse

B inverse

C negation

D contrapositive

Understand It with Pulse | Flag a mistake

9 **Start with the statement If a triangle is equilateral, then it has three equal angles. Change it to If it has three equal angles, then a triangle is equilateral. This new statement is the**

A converse

B inverse

C contrapositive

D negation

Understand It with Pulse | Flag a mistake

10 **Start with the statement If it rains, then the ground is wet. Change it to If the ground is wet, then it rains. This new statement is the**

A converse

B inverse

C contrapositive

D negation

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	67	**5.**	B	**9.**	A
2.	B	**6.**	A	**10.**	A
3.	C	**7.**	B		
4.	C	**8.**	D		

© 2026 Brett Robbins. All Rights Reserved.