SET THEORY AND CONDITIONAL STATEMENTS - PRACTICE TEST | NEW BRUNSWICK FOUNDATIONS OF MATHEMATICS 120 · UNIT B · 5 QUESTIONS

Set Theory and Conditional Statements — 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 universal set has 100 elements and set A has 45 elements. The number of elements in the complement of A is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **In a Venn diagram, 18 elements are in set A only, 12 are in both sets, and 4 are in set B only. The number of elements in set A is**

Question 2

In a Venn diagram, 18 elements are in set A only, 12 are in both sets, and 4 are in set B only. The number of elements in set A is

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A wooden chessboard has small piles of white rice grains on its squares, the piles growing larger. A set with 6 elements has this many subsets**



ANSWER

Understand It with Pulse | Flag a mistake

4 **A universal set has 80 elements and set A has 50 elements. The number of elements in the complement of A is**

ANSWER

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5

In a Venn diagram, 25 elements are in set A only, 15 are in both sets, and 10 are in set B only. The number of elements in set A is

Question 5

In a Venn diagram, 25 elements are in set A only, 15 are in both sets, and 10 are in set B only. The number of elements in set A is

ANSWER

Understand It with Pulse

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ANSWER KEY

1. 55
2. 30
3. 64
4. 30
5. 40

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