



ANSWER

Activity 1: TRUE OR FALSE?

Direction: To derive the truth value of the disjunction of two propositions, consider this compound proposition:

“The next student to come is either in red shirt or a male.”

- If a student comes in red shirt and is a male, does it satisfy the condition?
- If a student comes in blue shirt and is a male, does it satisfy the condition?
- If a student comes in red shirt and is a female, does it satisfy the condition?
- If a student comes in blue shirt and is a female, does it satisfy the condition?

“The next student to come is in red shirt and a male.”

- If a student comes in red shirt and is a male, does it satisfy the condition?
- If a student comes in blue shirt and is a male, does it satisfy the condition?
- If a student comes in red shirt and is a female, does it satisfy the condition?
- If a student comes in blue shirt and is a female, does it satisfy the condition?