Apply Network Methods in Solving Problems

Achieved	Merit	Excellence
Apply network methods in solving problems.	Apply network methods, using relational thinking, in solving problems.	Apply network methods, using relational thinking, in solving problems.

Relational Thinking - Involves selecting and carrying out a logical sequence of steps, connecting different concepts or representations, demonstrating understanding of concepts, and relating findings to a context.
Extended Abstract Thinking - Involves devising a strategy, identifying relevant concepts, developing logical reasoning, forming generalizations, and communicating mathematical insight.

Network Methods

The methods included in this standard are related to:

- ☐ Shortest path
- ☐ Traversability
- ☐ Minimum spanning tree

Problems

The problems will be set in real-life or mathematical contexts and provide opportunities to apply the network knowledge and methods.

Key Vocabulary

Students are expected to understand and use terms related to network methods, such as:

- ☐ Graph
- ☐ Node
- ☐ Edge
- ☐ Path
- ☐ Cycle
- ☐ Connected
- ☐ Weighted
- ☐ Spanning tree
- ☐ Minimum spanning tree