

Management Decision Models

DIMENSION

1. Name one system of *fundamental units* (attributes which all other physical attributes can be expressed with) [Hint: QOMLTA]. What are the maximal and minimal dimensions of each?

2. *What do you see?*

Station A (50 yards):

Station B (10 yards):

Station C (5 feet):

Station D (6 inches):

Station E (1/2 inch):

Station F (magnified):

What is the dimension of what you saw at each station?

3. What is the *dimensional projection* of each of these activities?

print

music

photography

film

live television

sculpture

stage play

football game

4. *Dimensional analysis:*

A pendulum with length and mass within a gravitational field is deflected by an angle, generating an oscillation with a period. Derive an equation for the period.