

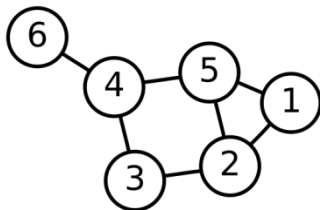
Your task is to use the SNAP/Edgy programming language to create the following Graphs or Networks.

If you are not sure what to do you need to complete the **“Programming with SNAP/Edgy Tutorial”** which is a PDF file in the **RESOURCES folder** and do the reading and activities in sections 1.1 to 1.8 before continuing with this worksheet.

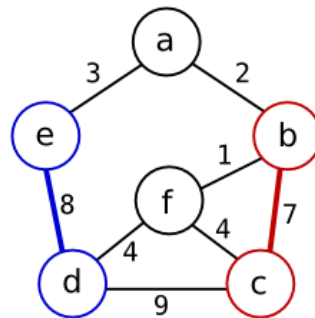
There are 3 parts that need to be completed and submitted for this task.

Create the following 2 Graphs in Edgy and solve the puzzle below.

1.



2.



Make sure the nodes are labeled as shown above with the same colours for the nodes and edges have the weights on them as shown above.

Export the Edgy project you have created with your name in the filename. An *.xml file will be created. You will need to submit this task for assessment.

3. Consider the following measuring liquid puzzle. Suppose you have a 3 litre jug and a 5 litre jug, and access to a tap with unlimited water, the jugs do not have measurement marks on them.
- How would you measure out exactly 1 litre of water?
 - How do you express the solution for someone else to understand and follow?
 - Is your solution the most efficient? That is can it be done in fewer steps?

