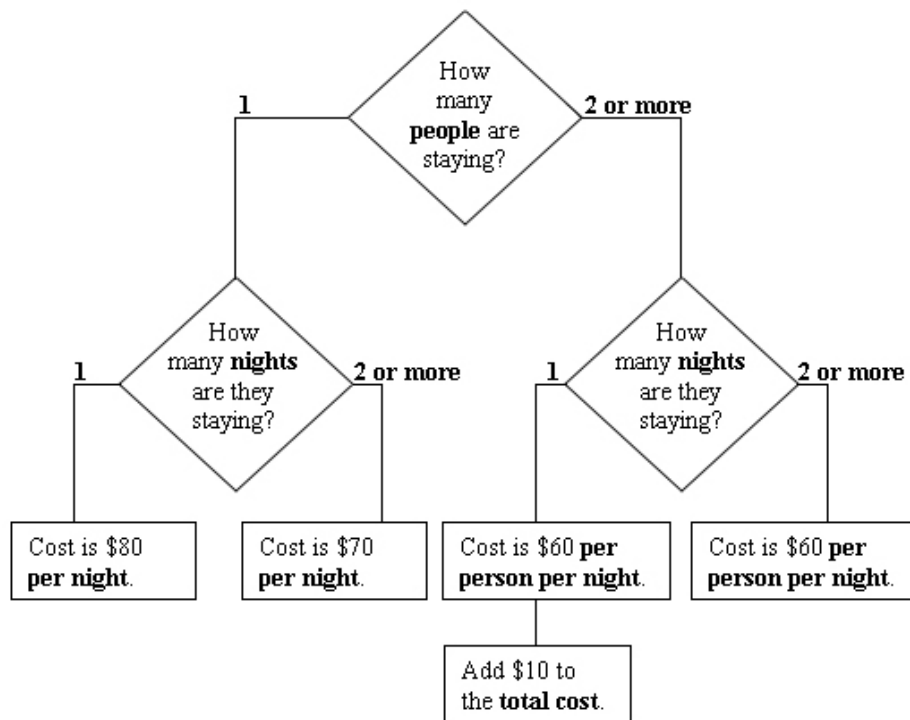


# Motel costs

This task is about using a flowchart to solve problems and form an equation.



Cost of staying at Wharenui Court Motels



Use the flowchart to answer the following questions about the cost of staying at the Wharenui Court Motels.

a) What is the total cost of staying at the motel if

i) 1 person stays 1 night?

\$ \_\_\_\_\_

ii) 1 person stays 3 nights?

\$ \_\_\_\_\_

iii) 20 people stay 1 night?

\$ \_\_\_\_\_

iv) 5 people stay 2 nights?

\$ \_\_\_\_\_

b) Let  $C$  = "total cost" and  $p$  = "number of people".

Complete an equation to show how much it costs 2 or more people to stay at the motel for 1 night.