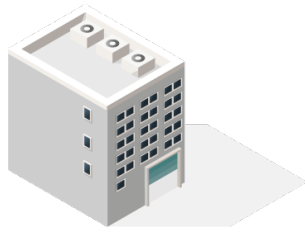# Parking charges

This task is about expanding, simplifying, and changing the subject of the equation.

A parking building charges $3 for parking up to 2 hours and an additional $2 for every hour (or part of an hour) after that.

a) What is the cost of parking

   i)   for 30 minutes? $ _____

   ii)   for 1 $^3/_4$ hours? $ _____

   iii)   for 4 hours? $ _____

   iv)   for 5 $^1/_2$ hours? $ _____

   For cars parked longer than 2 hours, the cost of parking is given by the equation:
   $$c = 3 + 2 (t - 2)$$

   Where: c is the cost in dollars

   t is the time parked (in whole hours)

b) Expand and simplify $c = 3 + 2 (t - 2)$

c) Make t the subject of the equation: $c = 2 (t - 2) + 3$