Parking Fees

You need: a calendar, a calculator

Peter parks his car in a parking building close to work. The car park opens at 7 a.m. and closes at 9 p.m., Monday to Friday. The charges are $2 for the first half-hour (or part thereof) and $1 for each additional half-hour. All-day parking costs $20.

1. a. Peter usually starts work at 9 a.m. and finishes at 5 p.m. It takes him less than 10 minutes to get to his office from the car park. What will car parking cost him on those days?

   b. On Wednesdays, he stays on for a 1 hour meeting after work. Should he buy the all-day ticket or pay by the hour? Explain your answer.

2. The car park managers introduce a monthly ticket that drivers can display on their dashboards. The cost of the ticket is $320 per month. Should Peter buy a ticket every month? Explain your answer.

3. The car park introduces a 10-park ticket where you can park all day for any 10 days. This costs $180 per ticket. How can Peter use this ticket to save money?

4. Peter lends his car to his sister for a fortnight and has to catch the bus to and from work. A one-way journey is $5. How much money is he saving each week in comparison to:

   a. parking by the day?

   b. using a 10-park ticket?