Name - _ _ _ _ _ _ _ _   Start time - _ _ : _ _   End time - _ _ : _ _

Solve the following.

1. Claudia owns ffilms. Barry owns twice as many films as Claudia.

   a) How many films does Barry own?
   b) How many films do Claudia and Barry own in total?
   c) How many films would they own in total if they each gave away 3 of their films?

2. Alf has £18 in the bank. He gets a job and is paid £8 for every hour he works. Assuming he spends nothing, write a formula for the amount of money (£M) Alf will have after he has worked for h hours.

3. The instructions for cooking a goose are to cook for 50 minutes per kg, plus 25 minutes. Write a formula to find the time taken (t minutes) to cook a goose weighing n kg.

4. Write a formula for the cost (£C) of having t trees cut down if it costs p pounds per tree plus a fixed amount of £30.

5. A sequence of shapes is made out of matchsticks. The first shape in the sequence is made from 4 matchsticks. Each subsequent shape in the sequence is made by adding 3 matchsticks to the previous shape. Write a formula for the number of matchsticks (M) needed to make the nth shape in the sequence.

6. The cost (C) of hiring a bike is £5 per hour plus a fixed cost of £25. Write a formula for the cost of hiring a bike for h hours.

1   2   3   4   5   6   7   8   9