

Outcome 1 - Formulae in Context



Evaluate the following formulae in context...

1

The cost for hiring a kilt is given by the formula:

$$C = 15 + 11D$$

where C is the cost (in pounds) and D is the number of days hired.

How much would it cost to hire a kilt for 4 days?



2

The cost for hiring a bicycle is given by the formula:

$$C = 11 + 4D$$

where C is the cost (in pounds) and D is the number of days hired.

How much would it cost to hire a bicycle for 5 days?



3

A turkey is to be cooked by using the formula:

$$T = 45K + 25$$

where T is the time (in minutes) and K is the weight of the turkey in kilograms.

How long would it take to cook a 5.4 kilogram turkey?



4

The cost for a plumbing job is calculated using the formula:

$$C = 18.5H + 1.8M$$

where C is the cost (in pounds), H is the hourly rate and M is the number of miles the plumber has to travel to the job.

How much would it cost to complete a job that takes 5 hours and is 48 miles away?

