|  |  |  |
| --- | --- | --- |
| Input | Processing | Output |
| Perimeter of house | Take the number of houses and add them up together to find how much wire will be needed | The length of the required wired for the 5 houses |

1. **Acme Builder’s Inc. has worked out that the wiring of an average house requires 45m of 14AWG wire. If a contractor has to wire 5 houses, what length of wire will be needed?**
2. **Burnaby Farms wants to estimate the cost of fertilizing their fields for the coming year. Each hectare of cultivated land requires 15kg and they intend to work 300 hectares.**

This Question cannot be answered because the customer did not provide us with the cost of the fertilizer per 15kg so we cannot estimate the cost. However, what we are able to do is figure out how much kg of fertilizer is needed for 300 hectares

1. **Cherry Entertainment Corp. is looking into the profitability of hosting MMA XXII at the Rogers Center. The sale of tickets, broadcasting rights and advertising will gross approximately $2 million. How much profit will Cherry Entertainment Center make if Rogers Centre cost $800, 000?**

|  |  |  |
| --- | --- | --- |
| Input | Processing | Output |
| The potential gross income | Cost of venue | Profits |

1. **Delta Airlines estimates that the fuel efficiency of a Boeing 747 jet is 12 liters per km. If the price of aviation fuel is $1 per liter, how much would it cost the airline to fly to New York and back from Toronto?**

|  |  |  |
| --- | --- | --- |
| Input | Processing | Output |
|  | Distance between cities | Total cost of fuel |