

DECIMALS AND PERCENTAGES: PRACTICAL APPLICATION PROJECT

Dear 4th grade math students.

You are applying for a job as Hotel manager for Parker International Ltd. You have been asked to produce a detailed bill for Monsieur LeCoy at the end of his recent stay.

You are expected to produce a properly headed bill (with hotel logo) detailing all expenses, individually itemised, plus appropriate rates, taxes and discounts. You may use a spreadsheet.

The bill must be accurate. If you overcharge then Monsieur LeCoy will complain and the hotel will lose its valuable reputation. If you undercharge then the head company - Parker International Ltd will not be very happy. Monsieur LeCoy, his wife Nicole and their 4 children Farida, Cayin, Juan and Hana visit Felix and Tanisha's Spa Hotel in Santiago City.

They arrive on Wednesday 15th April 2015 and depart the following Monday 20th April 2015 after breakfast. They book 2 double rooms for each night.

They use the spa, gym and swimming pool as follows

Friday - The whole family use the facility

Saturday - Monsieur LeCoy and 3 children use the facility

Sunday - Madame LeCoy and 2 children use the facility

On Wednesday, Friday, Saturday and Sunday the whole family eats dinner in the restaurant.

Monsieur LeCoy works for Parker International Ltd as an accountant and receives a 25% discount off his bill.

Hotel Charges

Double room (including breakfast)

Monday, Tuesday, Wednesday and Thursday.....£125 per night

Friday, Saturday and Sunday.....£98 per night

Daily use of the spa

Adult.....£23

Child.....£15

The spa will add on 20% Value Added Tax

Restaurant - set dinner menu

Adult.....£21

Child.....£13

The restaurant will add 10% service charge