Money – 2020 O Level Math D

1. Nov/2020/Paper_21/No.1

(a) Here is some information about a holiday.

7-night holiday $340 per person 8% discount if you book before 31 March

On 15 February, Naseem books this holiday for 2 people.

Calculate the total cost of his holiday.

$ ..... [2]

(b) Naseem hires a car for his holiday.
The total cost is $241.50 .
This cost includes 15% tax.

Calculate the cost of hiring the car excluding tax.

$ ..... [2]

(c) Naseem drives a total of 800 km on holiday.
He uses a total of 29.6 litres of fuel.

Calculate the average rate of fuel used in litres per 100 km.

..... litres per 100 km [2]

(d) Naseem changes \$450 to euros (€) for his holiday.
The exchange rate between dollars and euros is \$1 = €0.82 .
On holiday, he spends €297.

Naseem changes the remaining money back to dollars when he returns home.
The exchange rate is now \$1 = €0.80 .

Work out how many dollars he receives.

\$ ..... [3]

2. Nov/2020/Paper_22/No.1

(a) The cash price of a car is $13 000.
Marta pays in instalments for this car.

Marta pays a deposit of 15% of the cash price.
She then pays 24 monthly instalments of $500.

Calculate the total amount Marta pays for the car.

$ ..... [3]

(b) The price of a phone is reduced by 12% in a sale.
The sale price of the phone is $286.

Calculate the price of the phone before the sale.

$ ..... [2]

(c) The exchange rate between dollars ($) and pounds (£) is $1 = £0.71 .
The exchange rate between euros (€) and pounds (£) is €1 = £0.87 .

Calculate the exchange rate between dollars and euros.
Give your answer correct to 2 decimal places.

$1 = € ..... [2]

(d) Samuel invests $1500 in an account paying 1.9% per year compound interest.
Nina invests $1500 in an account paying 1.9% per year simple interest.
They each leave the money in their account for 5 years.

At the end of 5 years, how much more money does Samuel have in his account than Nina has in hers?

$ ..... [4]

3. June/2020/Paper_21/No.4

Anton invests $6000 in an account for 5 years.
The account has a compound interest rate of 2.5% per year.
At the end of 5 years, he spends $4200 of this money on a family holiday to Malaysia.

(a) How much money is left in the account?

$ ..... [3]

(b) Anton changes $800 into Malaysian Ringgits (MYR) for his trip.
The exchange rate is $1 = 3.16 MYR.
He spends 2250 MYR and then changes the remaining money back into dollars ($).
The exchange rate on his return is $1 = 3.27 MYR.

How many dollars does he receive on his return?
Give your answer correct to the nearest dollar.

$ ..... [3]

(c) Anton invests \$1500 in another account.
The account has a compound interest rate of p% per year.
At the end of 3 years, there is \$1598.85 in the account.

Calculate p.
Give your answer correct to 2 decimal places.

$p =$ ..... [3]

4. June/2020/Paper_22/No.1c

(c) Stefan changes 4300 Indian Rupees (INR) into dollars ($).
The exchange rate is $1 = 67.8 INR.

Work out how much he receives.
Give your answer correct to the nearest dollar.

$ ..... [2]