

1. June/2022/Paper_21/No.1(b)

(b) In January, the cost of petrol is \$2.20 per litre.

(i) Find the cost of 38.7 litres of petrol.

\$ [1]

(ii) The average amount of petrol Frederick’s car uses is 7 litres per 100 km.
In January, he spends \$215.60 on petrol.

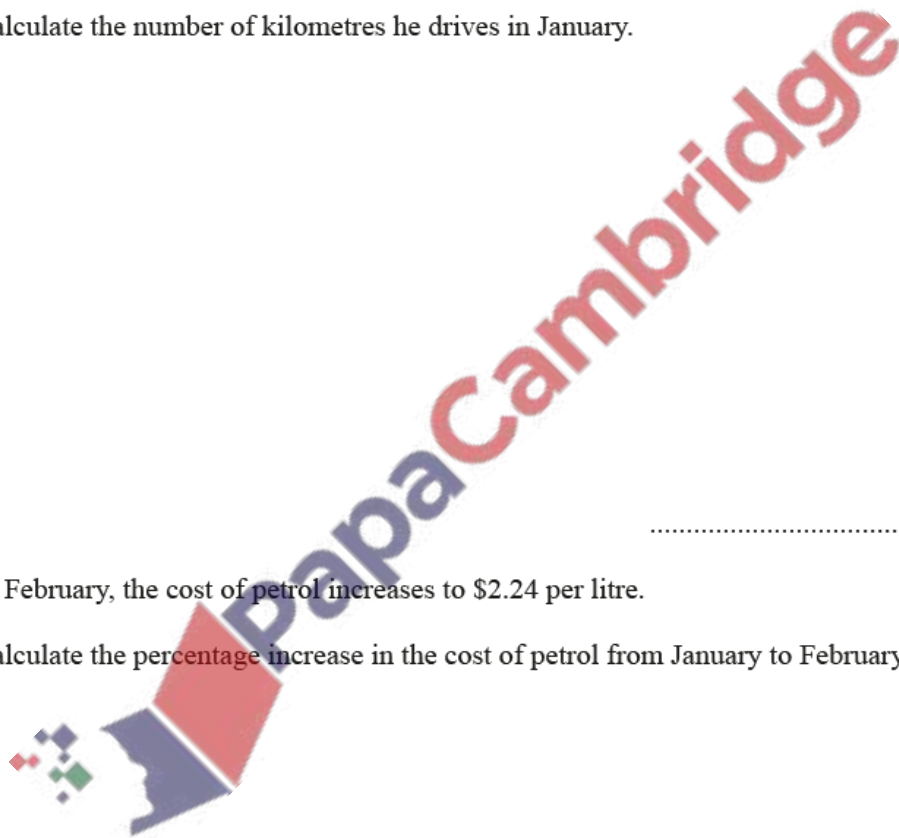
Calculate the number of kilometres he drives in January.

..... km [3]

(iii) In February, the cost of petrol increases to \$2.24 per litre.

Calculate the percentage increase in the cost of petrol from January to February.

..... % [2]



2. June/2022/Paper_22/No.1

(a) In 2021, the cost of posting a letter was 84 cents.

(i) A company posts 1950 letters.

Find the cost, in dollars, to post these letters.

\$ [1]

(ii) In 2022, the cost of posting a letter is 96 cents.

Calculate the percentage increase in the cost of posting a letter.

..... % [2]

(b)

Cost of posting a letter is 96 cents 15% discount when monthly postage is more than \$1000

Company *A* posts 1200 letters in one month.

Company *B* posts fewer letters than Company *A* in the same month.

Company *A* and Company *B* each pay the same amount to post their letters that month.

Find the number of letters Company *B* posts in that month.

..... [3]

- (c) In 2022, the cost of posting a parcel with a mass of 1 kg or less is \$4.60 .
The cost increases by \$1.10 for each additional 0.5 kg.

Find the cost of posting a parcel with a mass of 3.5 kg.

\$ [2]

- (d) The cost of posting parcels increases by 7.2%.
After the increase, the cost of posting a parcel is \$13.40 .

Calculate the original cost of posting this parcel.

\$ [2]

