DOON PUBLIC SCHOOL

(C.B.S.E. Affiliation No. 1030502)

Mathematics

Holiday Assignment-4

Session-2021-22

Class -X

Q 1. The department of electricity sells the electric energy to the consumer in units.

1 unit = 1 kilowatt.hour

Means electric energy consumed by 1000 watt electric appliance when it operates for one hour.

Household uses of electric appliances are given below of a family.

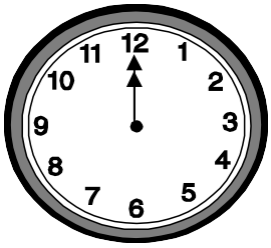
Note : 1000 Watt = 1 kilowatt

Electric Appliance	Rating	Time
Refrigerator	400 W	10 hrs. each for each day
2 Electric Fans	80 W	12 hrs. each for each day
6 Electric Bulbs	18 W	6 hrs. each for each day

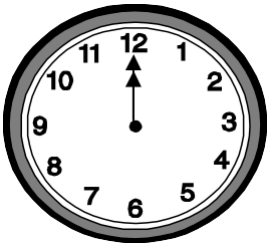
Now calculate the electricity bill of the households for the month of June. If 1 unit = Rs. 4.80.

Q 2. On a morning walk, three person step off together and their steps measure 40 cm, 42 cm and 45 cm respectively. What is the minimum distance each should walk so that each can cover the same distance in complete step?

Q 3. Two alarm clocks ring their alarms at regular intervals of 50 seconds and 48 seconds respectively. If they first beep together at 12 noon at what time will they beep together again.



Alarm Set at regular interval of 50 seconds



Alarm Set at regular interval of 48 seconds

Q 4. Ramesh wants to build a small fence around the garden in his backyard. The garden is in the shape of a right triangle. If one leg is 2 metres and the other leg is 1 metre. He goes to a store for purchasing fencing. The store sells fencing in tenths of a metre.

(A) What is perimeter of Ramesh's garden? Show all your work.

(B) What length of fencing should Ramesh buy if the store only sells the fencing in tenth of a metre?