

## NEXTBIKE Investigation

<https://www.nextbike.com.mt/en/malta/prices/>

PAY AS YOU GO		MEMBERSHIP OPTIONS			
first 30 min.	<b>€1.50</b>	<b>ANNUAL MEMBERSHIP</b> Single price – €80	<b>QUARTERLY MEMBERSHIP</b> Single price – €35	<b>MONTHLY MEMBERSHIP</b> Single price – €25	<b>WEEKLY MEMBERSHIP</b> Single price – €15
every additional 30 min.	<b>€1</b>	<b>FREE (UNLIMITED)</b>			
24 hours	<b>€18</b>	every additional 30 min.			
		24 hours			
		<b>€1</b>			
		<b>€15</b>			

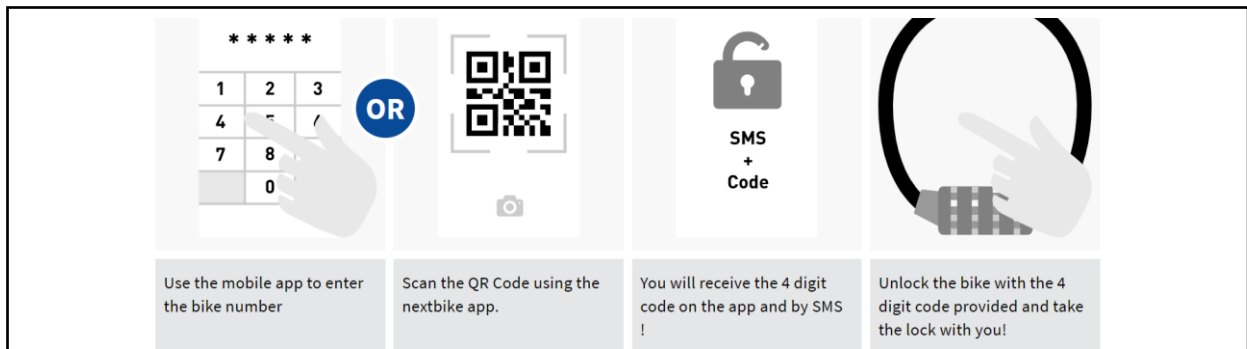
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### Task 1 – The Advertisement

- a) How many different options are there to use this service? **5**  
(a PAY AS YOU GO AND 4 DIFFERENT MEMBERSHIP PLANS)
- b) The first membership option is ‘Annual’.  
What does this mean? **PAID ONCE EVERY YEAR**
- c) The second membership option is ‘Quarterly’.  
What does this mean? **PAID ONCE EVERY QUARTER OF A YEAR**  
(3 MONTHS)



## Task 2 – I received a 4-digit code (9 4 3 6)

Use these digits to make:

- The largest possible odd number. **9643**
- A 2-digit square number. **36 or 64**
- A 2-digit number multiple of 3. **36, 39, 63, 69, 93, 96.**
- A 3-digit number that can be divided by 8 with no remainder.  
**496 or 936**

## Task 3 – Calculate the cost of these memberships

- 2 persons purchasing an annual membership. **€80 X 2 = €160**
- 3 persons purchasing a quarterly membership. **€35 X 3 = €105**
- A family of 4 purchasing a weekly membership. **€15 X 4 = €60**

On the MEMBERSHIP tariff plan.

How long did you use the bike for if you spend?

- €1.00 (30 mins free + € 1 @ extra 30 mins = 1 HOUR)
- €2.00 (30 mins free + €2 @ extra 2 X 30 mins = 1 HOUR 30 MINS)
- €5.00 (30 mins free + €5 @ 5 X 30mins = 3 HOURS)

**Task 4 – Calculate the cost on the PAY AS YOU GO tariff plan.**

- a) the first half an hour €1.50
- b) an hour €1.50 + € 1 = 2.50
- c) 3 hours €1.50 + €5 = €6.50
- d)  $5\frac{1}{2}$  hours €1.50 + €10 = €11.50
- e) 2 full days €18 + €18 = €36

**Task 5 HOW MUCH ARE YOU SAVING**

a) Find the difference in cost between 3 hours of cycling on PAY AS YOU GO tariff plan and 3 hours of cycling on any of the MEMBERSHIP tariff plan.

**3 HOURS PAY AS YOU GO €1.50 + €5 = €6.50**

**3 HOURS PAY AS YOU GO FIRST 30 MINS FREE + €5 = €5**

**YOU SAVE €1.50**

b) How much money is the client saving if s/he purchases a weekly plan?

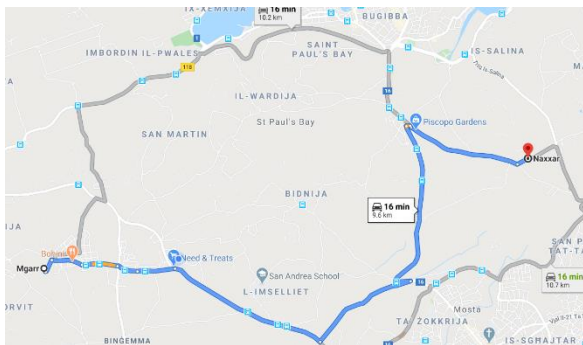
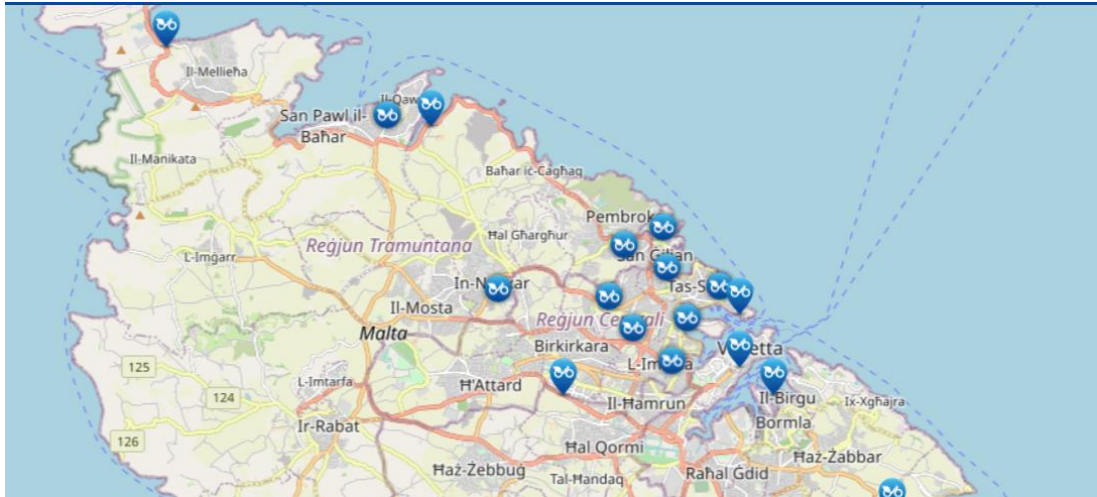
**THE TARIFF FOR A WHOLE DAY ON A WEEKLY PLAN IS €15**

**INSTEAD OF €18 ON A PAY AS YOU GO TARIFF.**

**THEREFORE, IN A WEEK THE CLIENT IS SAVING €3 X 7 = €21**

Task 6 – Use <https://www.google.com/maps/> to find (give answer in km/m)

How far is the first NextBike station from where you are now?



I live at Mgarr.

The nearest Next Bike station is in Naxxar.

According to Google Maps Naxxar is 9.6 km away from Mgarr which takes 16 mins to arrive by car.

