

## Equipe les Bathmaths Défi n°5 CM2/6ème

With the map, we try to find the shortest route to visit all the places.

### Route 1



- 1) New York City
- 2) Niagara Falls
- 3) Orlando
- 4) New Orleans
- 5) Rapid City
- 6) Salt Lake City
- 7) Las Vegas
- 8) Los Angeles

distance	
656 km	New York → Niagra
1934 km	Niagara → Orlando
1034 km	Orlando → New Orleans
2531 km	New Orleans → Rapid City
1032 km	Rapid City → Salt Lake City
677 km	Salt Lake City → Las Vegas
435 km	Las Vegas → Los Angeles
4459 km	Los Angeles → New York

①	③	③	③	③	
2	5	3	1	km	
1	9	3	4	km	
	6	5	6	km	
1	0	3	4	km	
1	0	3	2	km	
	6	7	7	km	
	4	3	5	km	
4	4	5	9	km	
1	2	7	5	8	km



# Route 2



1. New-York city
2. Niagara Falls
3. Mount Rushmore
4. Salt Lake city
5. Las Vegas
6. Los Angeles
7. New Orleans
8. Orlando
9. New-York city

	6	5	6	km	New-York city → Niagara Falls	
+	2	3	9	4	km	Niagara Falls → Mount Rushmore
+	1	0	3	2	km	Mount Rushmore → Salt Lake city
+		6	7	7	km	Salt Lake city → Las Vegas
+		4	3	5	km	Las Vegas → Los Angeles
+	3	0	4	9	km	Los Angeles → New Orleans
+	1	0	3	4	km	New Orleans → Orlando
+	1	7	3	9	km	Orlando → New-York city
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	1	1	0	1	6	km

This is the shortest route.

How long is Kim going to sit in the camping car?

New-York → Niagara Falls	6H 29 min
Niagara Falls → Mount Rushmore	2H 53 min
Mount Rushmore → Salt Lake city	9H 51 min
Salt Lake city → Las Vegas	5H 27 min
Las Vegas → Los Angeles	4H 00 min
Los Angeles → New Orleans	27H 00 min
New Orleans → Orlando	8H 57 min
Orlando → New York	15H 27 min
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	95 H 24 min

$$= 99 \text{ H } 04 \text{ min}$$

$$= 4 \text{ jours } 3 \text{ heures } 4 \text{ min}$$

Kim is going to sit 4 days 3 hours 4 minutes in the camping car.

	3	7	b
+	1	2	9
+		5	5
+		3	9
+		2	7
+	1	5	8
+		5	5
+	1	0	6
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	6	0	6

$$606h = 25 \times 24h + 6h$$

$$606h = 25 \times 6h$$

It would take 25 days 6 hours for that trip, riding a bike.