Time in Minutes to travel between events

Entrance							
5	Jolly Rocker		-				
3		Laser Raiders					
2		3	Pirate Stunt Show		-		
		6	9	Driving School		,	
					Spinning Spiders		
				7	5	Fire Academy	
	6	8		8	7		Miniland
20*	***						
sky train							

Cost to widen path in hundreds of pounds sterling

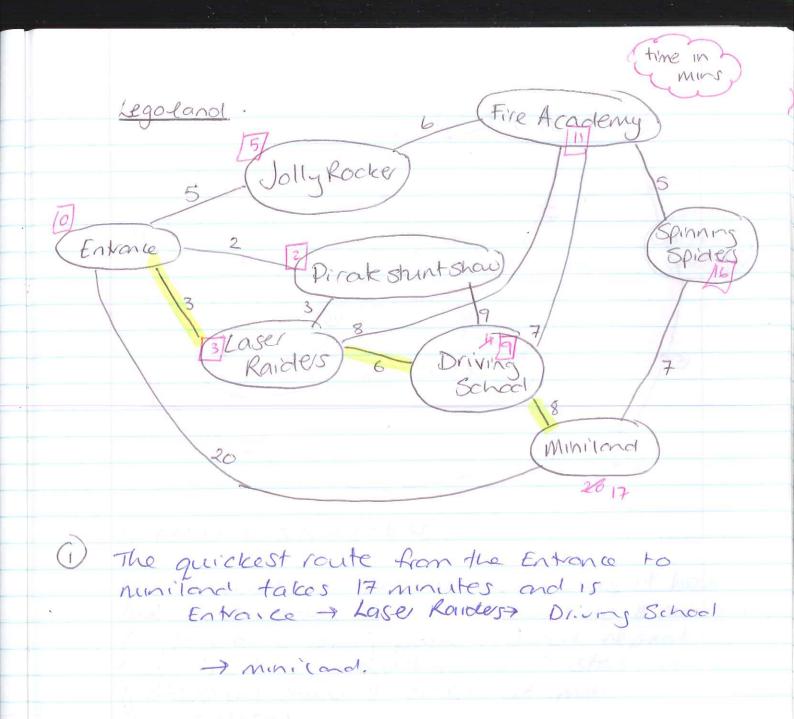
ntrance							
3	Jolly Rocker	1000	-				
4		Laser Raiders					
6		2	Pirate Stunt Show		-		
		4	3	Driving School			
					Spinning Spiders		
				8	7	Fire Academy	
	9	5			2		Miniland

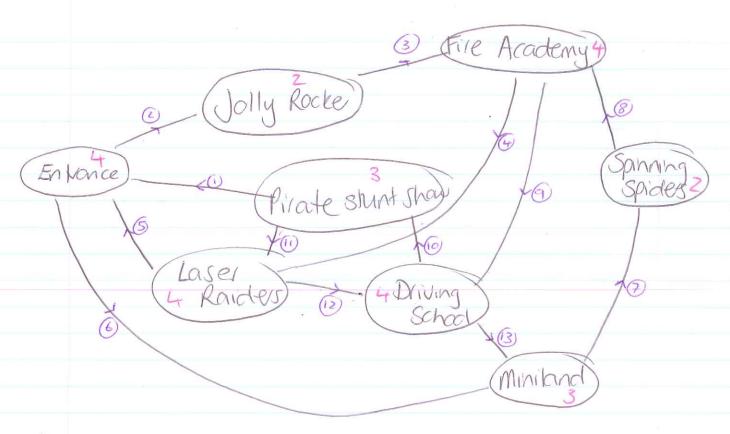
* - skytrain is already accesable so doesn't need to be widened.

number of santas on the path

ntrance							
4	Jolly Rocker		7				
8		Laser Raiders					
4		6	Pirate Stunt Show		1		
		5	3	Driving School		1	
				***	Spinning Spiders		
				12	6	Fire Academy	

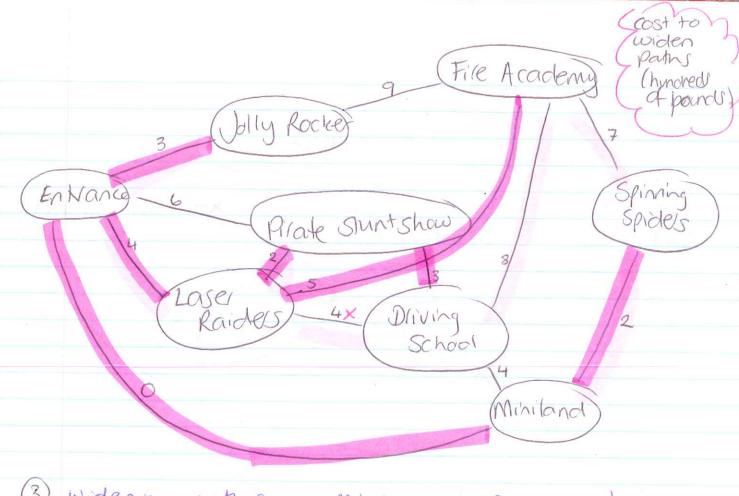
- * skytrain does not have any santas on it
- 1) In order to minimise waiting times it is best to go from the entrance to Miniland? What is the quickest route?
- 2) in order to avoid missing any of the characters along the pathways visitors want to know whether it is possible to go around every path without repeating any?
- 3) The park want to make all the activites wheelchair accessible. To do this pathways will need to be widened. The cost of this is in the above resources. What is the cheapest way for the park to do this?
- 4) The park is running a Christmas competition which involves spotting Santas on the paths between the rides. Some visitors want to maximise the number of santas they see but still go down the minimum number of paths possible. What path would you recommend they take?
- 5) Provide the best pathway that would meet the needs from question 1), 3) and 4). Explain why you think this is the best compromise pathway.





2) Is network Novesable?

The network is semi-havesable as it has
fus odd nodes (Pirate Shint show & minitend)
To go around every path without repeating
any, visitors would have to start at
Pirate shint show & finish at minitend
(or vice vesa).
One example of a path is shown on the
network diagram above.



(3) Widening paths -> Minimum spanning tree

Minimum spanning tree shown on network
above

-> Lase Raidles to Diving school (4) not chosen as makes a cycle.

min cost to make all wheel chair accessible is 19 hundred poinds stelling.

rumber of Sentes Fire Academy Jolly Rocky Envance Spinning Pirate stuntshow Laser Raides Diving School Minitana @ Santas - maxmum spanning tree. maximum spanning thee shown Entrance - Pirate Stunt Show not chosen as makes a lock. 44 santes can be found NOTE: this Q could be a compromise network - its not well worded!