

**Start at the Grand National in the North West corner of the park. Without a wristband, assume, the ride takes 5 tickets (1 ride ticket costs £1). Work out the following: Exchange rates for £1 are: 1.6 US dollars, 1.2 Euros, 1.5 Australian dollars.**

1. How many dollars would you need for the ride?
2. How many Euros would you need?
3. How many Australian dollars would you need?
4. Assume the last ride finishes at 20.30 and the first ride starts at 10.30. How many hours between finishing and starting?

**Go South and East to the Grand Prix.**

5. Each car has 4 tyres plus 1 spare. There are 20 cars on the Grand Prix. How many tyres are there in total?
6. What percentage of the total number of tyres are spare tyres?
7. There are 36 children in the class. Half of them go on the Grand Prix. One third of those left go on Wallace & Gromit's Thrill-0 -Matic. How many have gone on the rides?

**Go South to The Big One. There are 420 steps to the top of The Big One**

8. If you climbed 25% of them, how many steps are left to climb?
- 9 Work out the second angle at the bottom of the leg on the Pepsi Max Big One?



10. Assume a map of the park has a scale of 5cm to 100m. If it is 10cm from The Big One to the Big Dipper, and 25cm from the Big Dipper to Ice Blast, what is the total distance in metres?



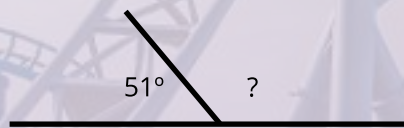
**Move across to the Steeplechase**

11. Assume that there are 6 horses on the ride that are painted red. The probability of sitting on a red horse is 0.5. A red horse is out of order. What is the probability, given as a fraction, of sitting on another red horse?
12. The ride has 3 tracks. There are 12 horses on each track. Each horse has 2 riders. If all the horses are in use, how many riders are there on each track?

**Walk along to ICON**

13. ICON is the newest ride at Blackpool Pleasure Beach. The oldest ride, Sir Hiram Maxim's Flying Machines, opened 114 years before ICON. In which year did Sir Hiram Maxim's Flying Machines open?

14. Work out the second angle at the bottom of a leg on ICON.

**Go to the Derby Racer in the North East corner of the park**

15. If 7 horses have 2 riders on them and 24 horses have 1 rider, how many riders are there all together?
16. If the ride holds 112 riders, and each ride lasts 3 minutes, how many people could go on the ride in one hour?

**Head to Wallace & Gromit's Thrill-O-Matic. 8 trains can run simultaneously on the ride. Each train consists of 2 cars and each car holds 4 people.**

7. How many people can be on the ride at one time?
18. What fraction of the total number are in one train?
19. What percentage of the total number are in one train?