Y8 KS3

WORKSHEET MATHS

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 three people need?

3. How many Australian dollars would four people need?

4. Assume the last ride finishes at 20.00 and the first ride starts at 10.30. How many hours between finishing and starting?

Go along to the River Caves.

5. Assume that the ride capacity is 320 riders per hour. If the school brought 440 pupils and 40 staff, how long would it take everyone to have a ride?

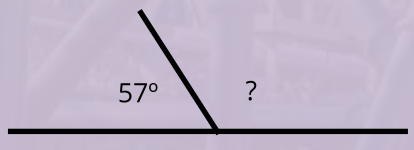
6. For every 9 boys in the queue for the River Caves, there are 6 girls. If 72 boys are waiting, how many girl are there? From the River Caves, go to the Big Dipper. 7. There is one 4 car train and one 3 car train. Each single car holds 8 people. When it is full, how many people are on the ride?

Continue South to The Big One

8. There are 3 trains, each with 5 cars. If each car carries 6 people, what is the capacity of the ride?

9. Assume the ride is 1800m long, and takes 3 minutes. Work out the average distance travelled each second.

10. Work out the second angle at the bottom of the leg on The Big One.



Y8 KS3

WORKSHEET MATHS

Head North to ICON

11. ICON is the newest ride at Blackpool Pleasure Beach. Assume, the track length is 1200m. The launch section, after leaving the station is 60m long. Express this as a simplified fraction of the total length.

12. Express the above answer as a decimal.

Go to the Flying Machines in the North of the park. There are 10 rockets and 8 people can fit in each rocket.

13. Work out how many people the ride can carry in one go.

14. Riders on the Flying Machines spend 80% of their ride in the air. Express this as a fraction.

Move across to Ice Blast

15. There are 12 seats on the ride. Assume that 8 seats are blue and 4 are red. What is the probability of sitting on a blue seat?

16. If 2 blue seats are already full, what will the probability be now