

The summer Olympic games (of the modern era) started in 1896. Since then, they have been held every four years except in 1916, 1940 and 1944 because of the two world war.

If we started each Olympiad blowing out birthday candles, the first candle would have been blown out in 1896. The two following ones in 1900, the three following ones would have been blown out in 1904 and so on.

Question 1 : How many candles would have been used since 1896 ?

Question 2 : How many candles would we need at the opening ceremony of the London Summer Olympics this year ?



In 2008, 11000 athletes participated in the Beijing Olympic Games.

Question 3 : Knowing that in 1896, they were 44 times less numerous, how many athletes participated in the 1896 Athens games ?



The Olympic flag was created in 1913 by a French man, Pierre de Coubertin but it was first displayed in 1920 at the Summer Olympics in Antwerp (Belgium)

A child has decided to draw the Olympic rings but he can't remember the order of the colours on the flag.

Question 4 : Read the following instructions, colour the rings as the child did.

- Each ring has a different colour.
- The black one doesn't touch the blue, nor the red or the green one.
- The red one and the blue one don't touch each other.
- The green ring, which is the fourth one, is on the left of the red ring.



For the London Olympic Games, 28 different sports will be represented (swimming, fencing, judo...). Among these sports, athletics will include 47 different events, each one being awarded a bronze medal, a silver medal and a gold medal.

43 events will be individual ones, and so the three first athletes of each event will be awarded a medal. 4 events will be team/collective event : the men's 4x100 and the 4x400 relays and the women's 4x100 and the 4x400 relays. Each athletes of the three first teams will receive a medal

Question 5 : How many medals will be awarded for the athletics at the end of the 2012 games ?

During the medals ceremony for the men's 4x400 relay, the twelve participating athletes will shake hands once to congratulate each other.

Question 6 : How many handshakes will be given in all ?



The London Olympic stadium will be able to accommodate 80,000 spectators.

Question 7 : If we imagine the stadium will be two third full for the 100m track event, how many spectators will there be ?

Among the spectators present on that day, 5% will be French people who will come and cheer on Christophe Lemaître.

Question 8 : How many French people will there be in the stadium for that event ?

It won't be possible to park your car next to the stadium which was built in the city. You will have to park your car in parking areas situated outside the city and then you will be transported to the stadium in 50 seat coaches (which will be all full)

Question 9 : How many runs from the car parks to the stadium will needed to transport all the 100m track event spectators ?



Question 10: Draw the Olympic velodrome where the track cycling competition will be held for the London Olympics. At the back of the answer sheet, draw a 8cmx3cm rectangle. Place points A and B in the middle of each of the two width. Draw outside the rectangle, two half circles each one being centred in A or B and with a diameter equalling the width of the rectangle.

This track is the same as the one which was built in Beijing for the 2008 Olympic Games. During an event, two runners were competing. The first one had already completed nine laps and run 2,250 metres when the second one had only covered 1,850 metres. At the end of the race, the winner had covered 4,000 metres.

Question 11 : What is the length of a lap ?

The winner ran at a speed of 50 km an hour.

Question 12 : How long did it take him to cover the 4,000 metres ? Give your answer using minutes and seconds.