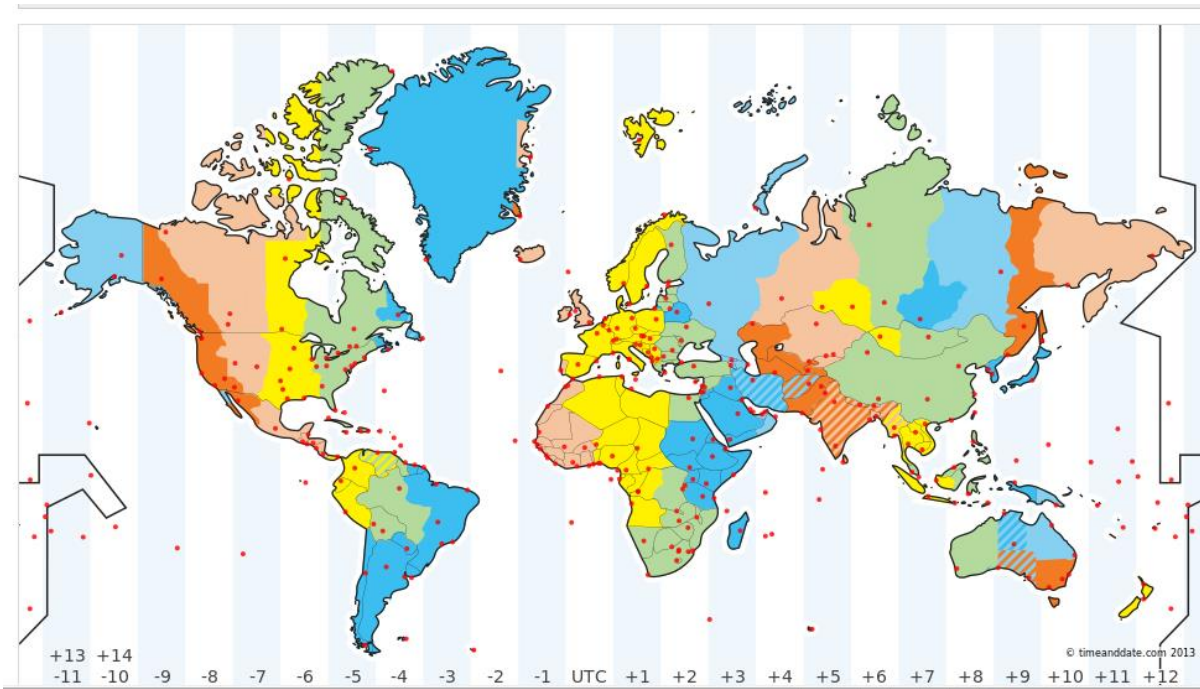


# Time Zone Challenges



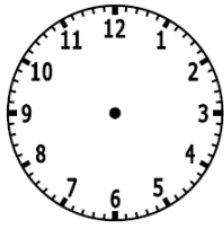
You might also find this website helpful for this activity <http://www.timeanddate.com/time/map/>

Look at the time-zone map.

1. Why do you think the lines are not straight?
2. What is the largest number of continents covered by one time-zone?
3. Who celebrates New Year first? Put these countries in the correct order from the first, to last, to celebrate New Year.

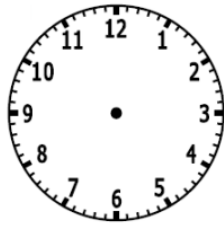
Brazil	Jamaica
UK	France
Thailand	Egypt
New Zealand	Madagascar

4. It is 10.00am in Bristol. Show on the clocks and write the digital time for each of these cities:



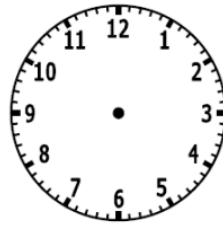
Berlin

:



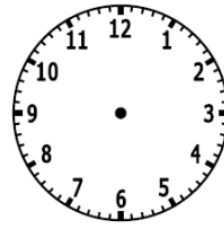
Beijing

:



Miami

:



Cape Town

:

5. Anna's flight leaves from London at 8:30 am to New York. The flight takes 6 hours and 30 minutes. Anna wants to phone her mum in England to tell her she has arrived safely. What time is it in England when she lands? What time is it in New York when she lands?

6. A business has offices in New York, London and Paris. The opening times are as follows:  
 New York is open 8am to 6pm local time.  
 London is open 9am to 5pm local time.  
 Paris is open 10am to 7pm local time.

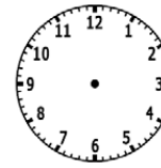
For how many hours are all three offices open at the same time?

7. Here is a departure board at Heathrow Airport. All times are from London, so departure time is the time in London. All arrival times are shown as the time in the destination time. Fill in the blanks.

Flight	Destination	Departure	Length	Arrival Time
HTR001	Moscow	06:45	3h10m	
HTR002	Shanghai	07:00	11h30	
HTR003	Los Angeles	08:50		10:20
HTR004	Buenos Aires	10:00	13h	

8. A family wants to video call each other on Christmas day. They all live in different time zones. Work out the best local time for them to all call each other and show the information on the clocks (no one wants to be up late or too early if it can be avoided!)

Granny & Grandpa live in Dehli  
 Aunty Susan is in Ankara  
 Cousin Steve is in New Orleans  
 Great Aunt Mildred is in Lima  
 Mum is in Glasgow.



Granny&Grandpa	Aunty Susan	Cousin Steve	Great Aunt Mildred	Mum
:	:	:	:	: