

This map shows approximately the time zones around the world. It shows how far ahead or behind the time is in hours from the Universal Time at ' 0 '.


Why do we have different time zones?

1 What is the approximate time difference in hours between:
(a) Quito and Lisbon?
(b) Anchorage and Colombo?
(c) Cape Town and Ulannbaatar?
(d) Nouakchott andsyingy? Man


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2 Use the map to estimate:
(a) If it was 09:21 in Lagos, what would be the time in Omsk?

## $9: 21+4=13.21$

## AnAA


(b) If it was 01:44 in Acapulco, what would be the time in Port Moresby?

## $1: 44+17=18: 44$


(c) If it was 18:03 in Rio de Janeiro, what would be the time in Ankara?

## $18: 03+5=23: 03$


(d) If it was 20:18 in Manila, what would be the time in Colombo?
$20: 18-3=17: 18$


Find two cities with (4h) time difference.
Find two cities with (1 h) time difference.
Find two cities with (NO) time difference.



The time in Sao Paulo is 2 hours ahead of Lima.
Look at the time table above. How long was the journey?

## 1. Find : It was $(13.45+2=15: 45)$ in Sao Paulo.

When it was 13:45, what time was it in Sao Paulo?

## 2. Find: $\quad 20: 35-15: 45=4$ hours 50 minutes

How long was the journey?
(the arrival time - the departure time = ?)


| (d) | Cape Town | Adelaide | $18: 05(\mathrm{Fri})$ | $22: 25(\mathrm{Sat})$ |
| :---: | :--- | :--- | :--- | :--- |

The time is Cape Town is 8 hours behind Adelaide. How long was the journey?



When it was 18:05, what time was it in Adelaide?

## $18: 05-8=10$

## 2. Find :

How long was the journey?
(the arrival time - the departure time = ?) $22: 25-10=10 \mathrm{~h} 25 \mathrm{~min}$

| (e) | Adelaide | Lima | $09: 30$ (Sal) | $00: 20$ (Sun) arrival time. |
| :--- | :--- | :--- | :--- | :--- |

The time is Adelaide is 4 hours ahead of Lima. How long was the journey?

