Doing Time
Time Zones Around the World

We are learning to find the time in different parts of the world

Time zones are fixed according to the time in Greenwich, London. Places to the East of London are ahead of Greenwich time while places that are to the West are behind.

Exercise 1

Complete the table by finding out the correct time zone (Letter and number of hours before/ahead of Greenwich) from the map above for the following cities or countries.

<table>
<thead>
<tr>
<th>City</th>
<th>Time Zone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Christchurch</td>
<td></td>
</tr>
<tr>
<td>Sydney</td>
<td></td>
</tr>
<tr>
<td>Alaska</td>
<td></td>
</tr>
<tr>
<td>India</td>
<td></td>
</tr>
<tr>
<td>Perth</td>
<td></td>
</tr>
<tr>
<td>Madagascar</td>
<td></td>
</tr>
<tr>
<td>Samoa</td>
<td></td>
</tr>
<tr>
<td>Chile</td>
<td></td>
</tr>
</tbody>
</table>
**Exercise 2**

*Copy and complete the following statements.*

*Example:* Auckland is 12 hours ahead of London

1) Christchurch is ______ hours ______ London
2) Chile is ______ hours ______ London
3) Samoa is ______ hours ______ London
4) Madagascar is ______ hours ______ London
5) Perth is ______ hours ______ London
6) India is ______ hours ______ London
7) Alaska is ______ hours ______ London
8) Sydney is ______ hours ______ London
9) Find four other places from the world map and state how many hours ahead or behind London they are.

**Exercise 3**

*Copy and complete the following statements.*

*Example:* Auckland is 2 hours ahead of Melbourne

1) Christchurch is ______ hours ______ Sydney
2) Chile is ______ hours ______ Kaitaia
3) Napier is ______ hours ______ Samoa
4) Madagascar is ______ hours ______ Dunedin
5) Auckland is ______ hours ______ Perth
6) India is ______ hours ______ Wellington
7) Hamilton is ______ hours ______ Alaska
8) Sydney is ______ hours ______ Stewart Island
9) Find four other places from the world map and state how many hours ahead or behind the place that you live in NZ they are.

**Exercise 4**

*Copy and complete the following statements.*

*Example:* Chile is 14 hours behind Melbourne

1) Chile is ______ hours ______ Sydney
2) Alaska is ______ hours ______ India
3) Perth is ______ hours ______ Samoa
4) Madagascar is ______ hours ______ Chile
5) India is ______ hours ______ Samoa
6) Sydney is ______ hours ______ Madagascar
**Exercise 5**

Refer to the "Time Zones Map" to answer the following questions.

Example: If it is 7pm Sunday in Whangarei it is 5pm Sunday in Sydney

If it is 6pm on Wednesday in Wellington what time and day is it in

1) Sydney  
2) Alaska  
3) India  
4) Perth  
5) Madagascar  
6) Samoa  
7) Japan  
8) Chile

**Exercise 6**

Refer to the "Time Zones Map" to answer the following questions.

Example: If it is 7pm Sunday in Alaska it is 2pm Monday in Sydney

If it is 2am on Saturday in New York what time and day is it in

1) Sydney  
2) Alaska  
3) India  
4) Perth  
5) Madagascar  
6) Samoa  
7) Japan  
8) Chile

**Exercise 7**

Refer to the "Time Zones Map" to answer the following questions.

1. Work out the times/days involved
2. Write a sentence explaining whether the call should be made or not

1) Billy lives in Hastings and wants to phone his grandfather in London. It is 6pm on Saturday in NZ
2) Arlene lives in Auckland and has just had a baby (Saturday at 2 am). She wants to phone her mother who is on holiday in Samoa with the good news.
3) Arisa is from Japan and is studying in Sydney. She plans to phone home on Sunday night at 8pm
4) Mareea is on a working holiday in London. She decides to phone her mother in India on Saturday morning when she wakes up at 8 am.
5) Zac plays in a band and he is currently on tour in Madagascar and he decides to phone his bank in Auckland to check his account. It is 10am on Monday morning in Madagascar.
6) Aroha is playing Hockey at a tournament in Chile. After her team wins the semi-final at 5pm on Friday she phones her father in Rotorua to tell him the news.
Time Zones Around the World

Answers

Exercise 1

<table>
<thead>
<tr>
<th>City</th>
<th>Time Difference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Christchurch</td>
<td>M, 12 hours ahead</td>
</tr>
<tr>
<td>Sydney</td>
<td>K, 10 hours ahead</td>
</tr>
<tr>
<td>Alaska</td>
<td>V, 9 hours behind</td>
</tr>
<tr>
<td>India</td>
<td>E*, 5hr30min ahead</td>
</tr>
<tr>
<td>Perth</td>
<td>H, 8 hours ahead</td>
</tr>
<tr>
<td>Madagascar</td>
<td>C, 3 hours ahead</td>
</tr>
<tr>
<td>Samoa</td>
<td>L, 11 hours ahead</td>
</tr>
<tr>
<td>Chile</td>
<td>Q, 4 hours behind</td>
</tr>
</tbody>
</table>

Exercise 2

1) 12 ahead (2) 4 behind (3) 11 ahead (4) 3 ahead
5) 8 ahead (6) 5hr30min ahead (7) 9 behind (8) 10 ahead
9) Answers will vary

Exercise 3

1) 2 ahead (2) 16 behind (3) 1 ahead (4) 9 behind
5) 4 ahead (6) 6hr30min behind (7) 21 ahead (8) 2 behind
9) Answers will vary

Exercise 4

1) 14 behind (2) 14hr30min behind (3) 3 behind (4) 7 ahead
5) 5hr30min behind (6) 7 ahead

Exercise 5

1) 4pm Wed (2) 9pm Tues (3) 11:30am Wed (4) 2pm Wed
5) 9am Wed (6) 5pm Wed (7) 3pm Wed (8) 2am Wed
Exercise 6

1) 5pm Sat  
2) 10pm Fri  
3) 12:30pm Sat  
4) 3pm Sat  
5) 10am Sat  
6) 6pm Sat  
7) 4pm Sat  
8) 3am Sat

Exercise 7

1) London 6am Saturday. This time is probably suitable if his grandfather gets up early.
2) Samoa 1am Saturday. Bad time but mother will still want the call.
3) Japan 7pm Sunday. Likely to be a good time to make the phone call.
4) India 1:30 pm Saturday. Likely to be a good time to make the phone call.
5) Auckland 7 pm. The bank is probably closed so not a good time to call.
6) Rotorua 9am Saturday. Likely to be a good time to make the phone call.