

Aberdare Community School Mathematics Department

WJEC GCSE

Higher – Non Calculator

Number

Timetables

Name:	
Set:	
Date:	
Teacher:	

- **6.** Mr. Roberts is travelling to Hong Kong on business.
 - (a) There is a time difference between the UK and Hong Kong. When the time is 6 am in the UK the time is 2 pm on the same day in Hong Kong.

(i) When it is 10 am in the UK what time is it in Hong Kong?

(ii) Mrs. Roberts stays in the UK and has given her husband her time schedule, shown below.

6 am	Get up, walk dog, breakfast
6.30 am	Leave home to go to work
7.30 am	Arrive at work
11.30 am	Finish work, set off to go home
12.30 pm	Arrive home for lunch
2 pm	Leave home for daily exercise class
4 pm	Home
6 pm	Go out to evening job
9 pm	Home
10 pm	Go to bed (don't disturb)

Mr. Roberts will be in meetings most of the day in Hong Kong from 8 am until 11 am, then from 12 noon to 6 pm.

He plans to telephone his wife at a convenient time during the day.

During which time period should Mr. Roberts telephone his wife? Give your answer in UK and Hong Kong times.

[4]

4. (a) You will be assessed on the quality of your written communication in this part of the question.

Some mobile phones show a number of world clocks.

London

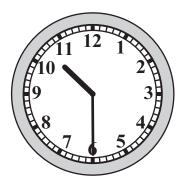
Monday 11:30

New York



Monday 06:30

Sydney



Monday 22:30

When it is 3 p.m. on Wednesday in New York, what day and time will it be in Sydney? Explain your reasoning.				
			 	•••••••••••••••••••••••••••••••••••••••
			 	•••••••••••
			 	· · · · · · · · · · · · · · · · · · ·
			 	···········
			 	· · · · · · · · · · · · · · · · · · ·
			 	······································

1. Hamish is in London one Tuesday afternoon. He looks at the world clock shown below.

World clock		
London	New York	Sydney
13:38 Tuesday	08:38 Tuesday	21:38 Tuesday

(a)	Hamish has a plane to catch in 6 hours 34 minutes time. At what time does his plane leave, in New York time?	
(b)	Hamish decides to make a telephone call to Sydney before he leaves. He makes the call at 17:05 in London. What time and day is this in Sydney?	[2]
	Time Day	[3]

2.

•

.



© WJEC CBAC Ltd. (4352-02)

Turn over.

4370	000000

(c) You will be assessed on the quality of your written communication in this part of the question.

Sophie is due to fly from Glasgow to San Francisco. She arrives at Glasgow airport on Wednesday at 13:40. She has to wait 4 hours 25 minutes for her flight.

It takes 13 hours to fly between Glasgow and San Francisco. She knows that the time in Glasgow is 8 hours ahead of the time in San Francisco. For example, when it is 10:00 a.m. in Glasgow it is 2:00 a.m. in San Francisco.

You must show all your working.	ie expect to arrive in San Francisco airport? [5]
Day	Time

© WJEC CBAC Ltd. (4370-05) Turn over.