Time

Question Paper 1

0

Level			IGCSE			
Subject			Maths	(0580)		
Exam Board			Cambr	idge Internatio	nal Examinatio	ns (CIE)
Paper Type			Extend	led 🚫		
Торіс			Numb	er 💦		
Sub-Topic			Time			
Booklet			Questi	on Paper 1		
Time Allowed	:	59 minutes	2			
Score:		/49				
Percentage:						
Grade Boundaries:						
A*	А	В	С	D	E	U
>85%	75%	60%	45%	35%	25%	<25%

1 A train leaves Zurich at 2240 and arrives in Vienna at 0732 the next day.

Work out the time taken.

..... h min [1] 2 Answer h min [1]

3 A bus company in Dubai has the following operating times.

Day	Starting time	Finishing time	
Saturday	0600	2400	
Sunday	0600	2400	
Monday	0600	2400	
Tuesday	0600	2400	0
Wednesday	0600	2400	10
Thursday	0600	2400	0
Friday	13 00	2400	

(a) Calculate the total number of hours that the bus company operates in one week.



Answer(a) h [3]

(b) Write the starting time on Friday in the 12-hour clock.

4 Christa had a music lesson every week for one year. Each of the 52 lessons lasted for 45 minutes.

Calculate the total time that Christa spent in music lessons. Give your time in hours.

Answer h [2]



5 Noma fliesfromJohannesburgtoHongKong.

Her plane leaves Johannesburg at 1845 and arrives in Hong Kong 13 hours and 25 minutes later. The local time in Hong Kong is 6 hours ahead of the time in Johannesburg.

(a) At what time does Noma arrive in Hong Kong?



Answer(b) h min [2]

(c) (i) The distance from Hong Kong to Johannesburg is 10712 km. The time taken for the journey is 13 hours and 25 minutes.

Calculate the average speed of the plane for this journey.

Calculate the cost of the same journey one year ago.

Answer(*d*) R [3]

6 The time in Lisbon is the same as the time in Funchal.

A plane left Lisbon at 08 30 and arrived in Funchal at 10 20. It then left Funchal at 12 55 and returned to Lisbon. The return journey took 15 minutes more.

What time did the plane arrive in Lisbon?

7 A shop is open during the following hours.

	Monday to Friday	Saturday	Sunday
Opening time	0645	0730	0845
Closing time	1730	1730	1200
**			

(a) Write the closing time on Saturday in the 12-hour clock time.

Answer(a) [1]

(b) Calculate the total number of hours the shop is open in one week.

8 The ferry from Helsinki to Travemunde leaves Helsinki at 1730 on a Tuesday. The journey takes 28 hours 45 minutes.

Work out the day and time that the ferry arrives in Travemunde.



9 (a In Portugal, Miguel buys a book about planets. The book costs €34.95. In England the same book costs £27.50. The exchange rate is £1 = €1.17.

Calculate the difference in pounds (£) between the cost of the book in Portugal and England.



(ii) Work out the lower and upper bounds for the area of the rectangle.

Answer(c)(ii) Lower bound = cm^2

Upper bound = cm^2 [2]

10 A bus leaves a port every 15 minutes, starting at 0900. The last bus leaves at 1730.

How many times does a bus leave the port during one day?

Answer [2]



11 The table shows the opening and closing times of a café.

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Opening time	0600	0600	0600	0600	0600	<i>(a)</i>	0800
Closing time	2200	2200	2200	2200	2200	2200	1300

(a) The café is open for a total of 100 hours each week. Work out the opening time on Saturday

Answer(a) [2]

(b) The owner decides to close the café at a later time on Sunday. This increases the total number of hours the café is open by 4%.

Work out the new closing time on Sunday.

Answer(b) [1] 12 A plane took 1 hour and 10 minutes to fly from Riyadh to Jeddah. The plane arrived in Jeddah at 23 05. At what time did the plane depart from Riyadh?



