

## **Time**

## **Question Paper 1**

Level		IGCSE
Subject		Maths (0580)
Exam Board		Cambridge International Examinations (CIE)
Paper Type		Extended
Topic		Number
Sub-Topic		Time
Booklet		Question Paper 1
Time Allowed:	59 minutes	
Score:	/49	
Percentage:	/100	
	· hip.	
Grade Boundaries:	W.	

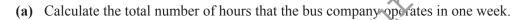
A*	А	В	С	D	Е	U
>85%	75%	60%	45%	35%	25%	<25%

1	A train leaves Zurich at 22 40 and arrives in Vienna at 07 32 the next day.
	Work out the time taken.
	h min [1]
2	A doctor starts work at 2040 and inishes work at 0610 the next day.
	How long is the doctor at work? Give your answer in hours and minutes.
	Answer h min [1]

whatsapp: +92 323 509 4443, email: megalecture@gmail.com

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

Day	Starting time	Finishing time
Saturday	0600	24 00
Sunday	06 00	24 00
Monday	06 00	24 00
Tuesday	0600	24 00
Wednesday	06 00	24 00
Thursday	0600	24 00
Friday	13 00	2400





Answer(a)		h	[3]
inswer (u)	•••••	11	[-1]

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

*Answer(b)* ...... [1]

whatsapp: +92 323 509 4443, email: megalecture@gmail.com

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	fliesfrom.	Johannesbu	ırgtoHon	gKong.
---	------	------------	------------	----------	--------

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?

**(b)** Noma sleeps for part of the journey.

The time that she spends sleeping is given by the ratio

sleeping: awake = 3:4

ps during the Calculate how long Noma sleeps during the journey. Give your answer in hours and minutes.

Whith . The coal le

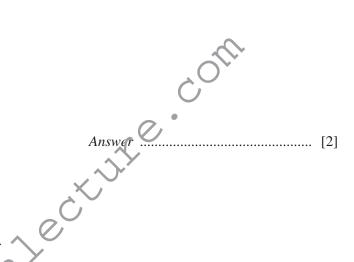
*Answer(b)* ...... h ...... min [2]

	wh	atsapp:	+92	323	509	4443,	email:	megalecture@gmail.com
(c)	(i)		iken for	the jou	urney	is 13 hou	rs and 25 m	inutes.
		Calculate ti	ne avera	age spe	eed of	the plane	for this jou	rney.
							Answer	(c)(i) km/h [2]
	(ii)	The plane u	uses fue	at the	rate o	of 1 litre f	For every 59	metres travelled.
		Calculate the Give your a					d for the jou	urney from Johannesburg to Hong Kong.
							Answer(	c)(ii) litres [4]
							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	., ,
<b>(d)</b>		cost of Nons is an increa		•				
	Calo	culate the co	st of th	e same	journ	ey one ye	ar ago.	
							Answer	(d) R[3]

_								
6	The time	in	Lishon	is the	same as t	the time	in Func	hal
0	- i ne ume	111	LASDOIL	is ine	same as i	ше шпе	: 111 6111110	J

A plane left Lisbon at 0830 and arrived in Funchal at 1020. It then left Funchal at 1255 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 t	ime
-----	-----------	--------------	-------------	--------	---------	---------	-----

Answer(a) [1]

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

Answer(b) h [2]

whatsapp: +92 323 509 4443, email: megalecture@gmail.com

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.

Answer Day Time [2]

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 =
	Calculate the difference in pounds (£) between the cost of the book in Portugal and England.
	$Answer(a) £ \qquad \qquad [2]$
(b)	In the book, the distance between two planets is given as $4.07 \times 10^{12}$ kilometres. The speed of light is $1.1 \times 10^9$ kilometres per hour.
	Calculate the time taken for light to travel from one of these planets to the other. Give your answer in days and hours.
	X, Y, Y
	Answer(b) days hours [3]
(c)	In one of the pictures in the book, a rectangle is drawn.
	The rectangle has length 9.3 cm and width 5.6 cm, both correct to one decimal place.
	(i) What is the lower bound for the length?
	in the second se
	Answer(c)(i) cm [1]
	(ii) Work out the lower and upper bounds for the area of the rectangle.

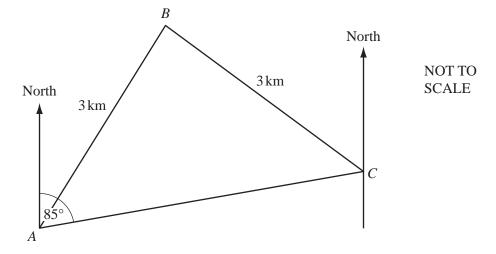
Answer(c)(ii) Lower bound =  $cm^2$ 

_						_		
whatsapp:	+92	323	509	4443.	email:	megalect	ure@amail.	COM

10	O A bus leaves a port every 15 minutes, starting at 09 00. The last bus leaves at 17 30.										
	How many times does a bus leave the port during one day?										
					Ans	wer		[2]			
<b>1</b> 1	The table shows t	he onening	and closing	times of a ca	fé						
11	The table shows t	ine opening a	and closing		10.						
		Mon	Tue	Wed	Thu	Fri	Sat	Sun			
	Opening time	0600	0600	0600	0600	0600	(a)	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.										
	work out the	e opening tir	ne on Saturo	iay.							
	$Answer(a) \qquad \qquad [2]$										
	(b) The owner of of hours the			at a later tir	ne on Sunda	y. This incr	eases the to	tal number			
	Work out the			ınday.							
					Answe	r(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?	
	Answer	[1]
13	A cyclist left Melbourne on Wednesday 21 May at 09 45 to travel to Sydney.  The journey took 97 hours.  Write down the day, date and time that the cyclist arrived in Sydney.  Answer Day  Date Time	
	Answer Day Date Time	[3

14



A, B and C are three places in a desert. Tom leaves A at 0640 and takes 30 minutes to walk directly to B, a distance of 3 kilometres. He then takes an hour to walk directly from B to C, also a distance of 3 kilometres.

(a) At what time did Tom arrive at C?

**(b)** Calculate his average speed for the whole journey.

(c) The bearing of C from A is  $085^{\circ}$ . Find the bearing of A from C.

Answer 
$$(c)$$
 [1]