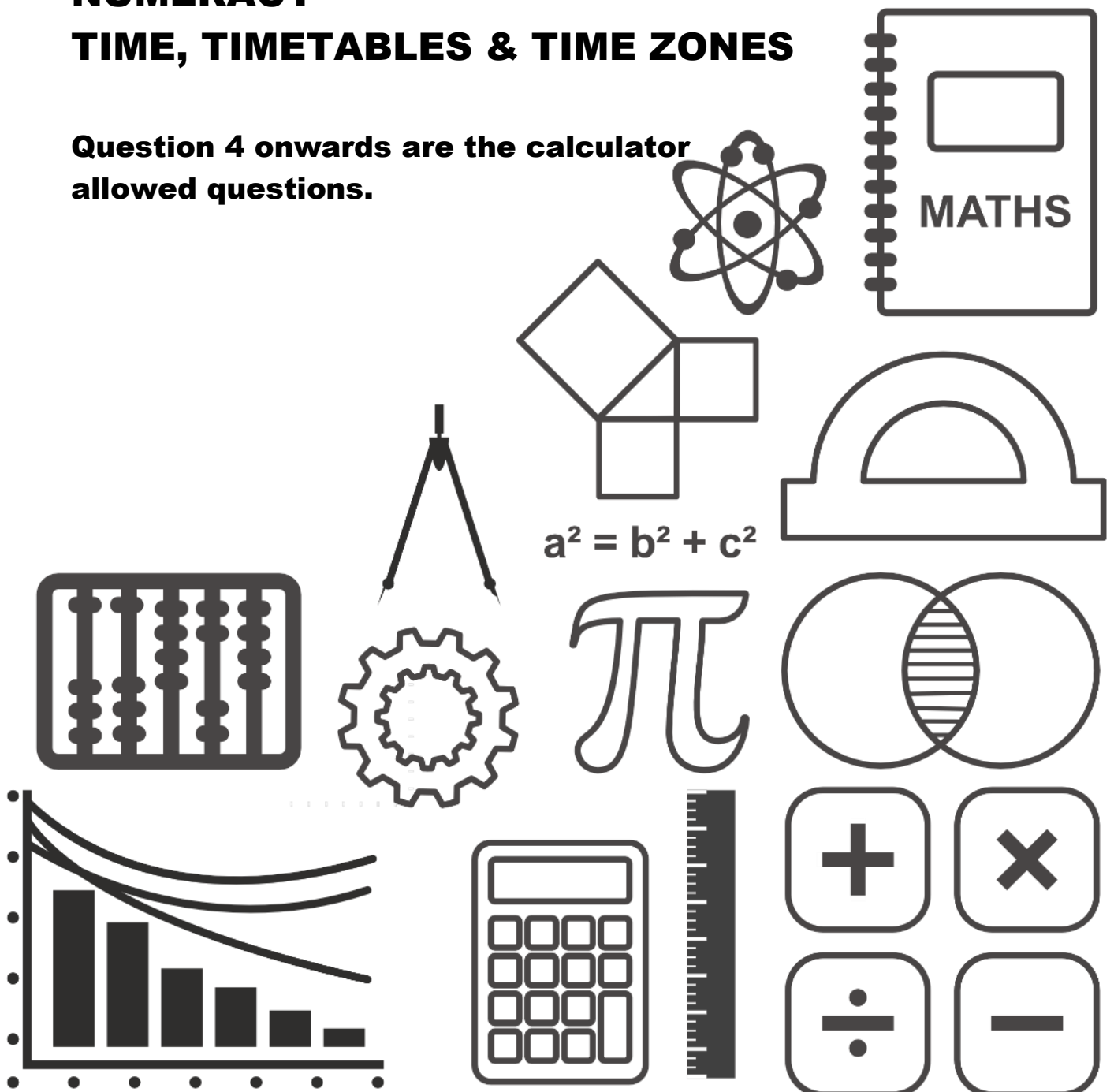


GCSE TOPIC BOOKLET

NUMERACY

TIME, TIMETABLES & TIME ZONES

Question 4 onwards are the calculator allowed questions.



1.

When it is 19:40 in Cardiff, it is 23:40 in Dubai.

- (i) What time is it in Dubai when it is 13:30 in Cardiff?
Circle your answer. [1]

15:30 10:30 09:30 17:30 19:30

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- (ii) What time is it in Cardiff when it is 02:10 in Dubai?
Circle your answer. [1]

20:10 06:10 22:10 10:10 00:10

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2.

When it is 21:30 on a Tuesday in London, it is 02:30 on a Wednesday in Dhaka, Bangladesh.

It takes 10 hours 30 minutes to fly from Dhaka to London.
A flight leaves Dhaka on Thursday at 13:00 local Dhaka time.

On what day and at what time should this flight arrive in London?
Give your answer in local London time. [4]

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Arrival in London:

Day Time

3. (a) The towns of Aberglen, Bargwyn, Caerlow and Derwen are on Bus Route 3. The times buses take to travel between each of the towns are shown on the diagram below.

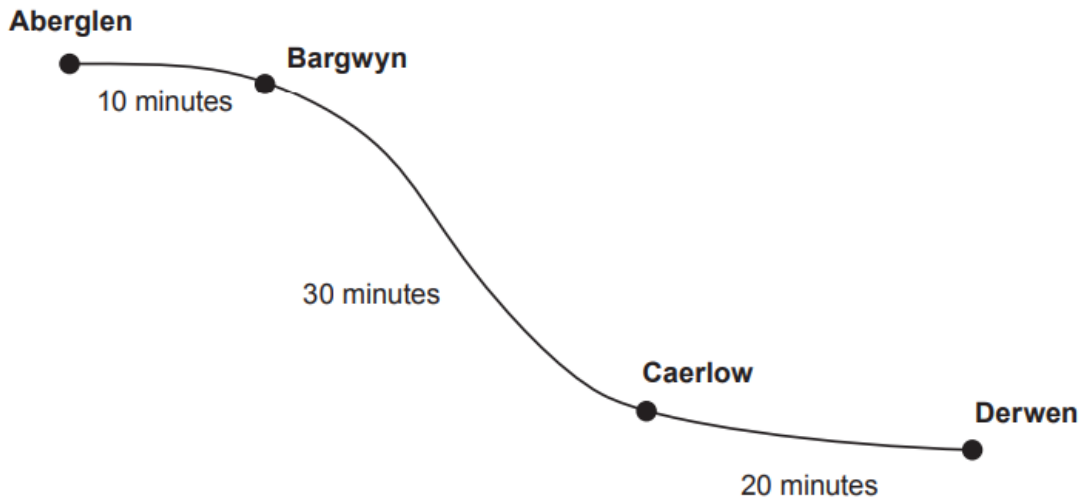


Diagram not drawn to scale

Buses start at Aberglen.
All these buses travel to Derwen, stopping at Bargwyn and Caerlow.

Here is the bus timetable.

Departing from:	Times
Aberglen	First bus leaves at 09:00, then every 13 minutes after this time.

- (i) At what time does the 09:13 bus from Aberglen arrive at Derwen?
Circle your answer. [1]

09:23 09:33 09:43 10:53 10:13

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- (ii) Dilys arrives at the bus stop in Bargwyn at 09:30.
At what time is the next bus?
Circle your answer. [1]

09:32 09:36 09:39 09:49 09:52

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(b) From Grainsey, the Number 6 bus runs to Wyndre and the Number 7 bus runs to Hafgoch.

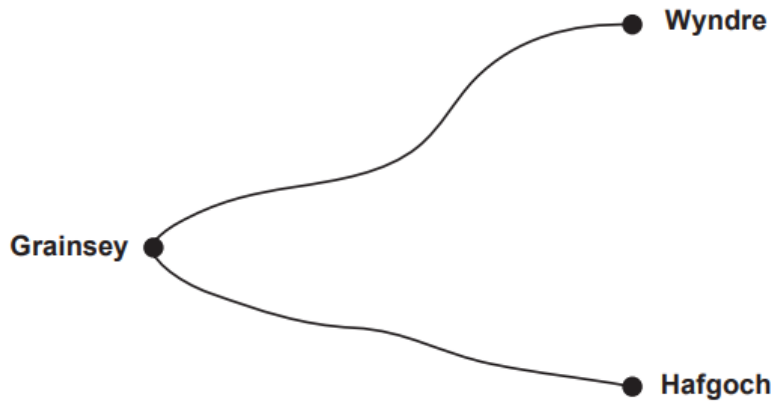


Diagram not drawn to scale

The timetable for these buses is given below:

Bus Number	To	Times
6	Wyndre	First bus leaves at 10:00, then every 20 minutes after this time.
7	Hafgoch	First bus leaves at 10:00, then every 45 minutes after this time.

After 10:00, when will the Number 6 bus and the Number 7 bus next leave Grainsey at the same time? [4]

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4. Rhys lives in St Asaph.
He wants to video call friends in Montreal, New Delhi and Sydney.

The table below shows times around the world when it is 12:30 in St Asaph.

City	Time	Day
St Asaph	12:30	Saturday
Montreal	07:30	Saturday
New Delhi	17:00	Saturday
Sydney	21:30	Saturday

- (i) When it is 23:30 on Saturday in St Asaph, what time and day is it in Montreal?
Circle your answer. [1]

04:30, Sunday 07:30, Saturday 18:30, Saturday
 02:30, Saturday 12:30, Saturday

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- (ii) When it is 01:00 on Sunday in Sydney, what time and day is it in St Asaph?
Circle your answer. [1]

16:00, Sunday 16:00, Saturday 10:00, Sunday
 10:00, Saturday 06:00, Monday

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5.

Bus timetable from Orme Station to Outlet Village

Only 55 minutes from Orme Station direct to Outlet Village.

Buses leave the station

- every 12 minutes from 8 a.m. until 12 noon
- every 24 minutes from 12 noon until 10 p.m.

- (a) At what time does the first bus after 09:00 leave Orme Station?
Circle your answer. [1]

09:05 09:12 09:18 09:24 09:30

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(b) Gwil looks at the timetable shown above.
He decides to take the latest possible bus to be at Outlet Village by 15:00.

At what time will Gwil arrive at Outlet Village?
You must show all your working.

[2]

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6. What is 3 hours 12 minutes in hours?
Circle your answer.

[1]

3·102 hours 3·12 hours 3·15 hours 3·2 hours 3·25 hours

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