

**GCSE - Numeracy and Mathematics**

**Topic: Timetables**

**Tier:Intermediate**

**Grade:**


E/D



**Starter**

- 1) Convert to the 24 hour clock  
4:37pm :  
12:20am :
- 2) Convert to the 12 hour clock  
22:13 :  
03:47

**Top Tips!**

- Remember to read down the columns to see the timings of a specific bus or train
- Remember that bus and train timetables use the 24 hour clock (i.e. 4 digits and no am/pm)
- You can't add/subtract time by placing them underneath each other
- Learn to use the time button on the calculator 

**Skills:**

- 1) A train departs Bangor at 10:47 and takes 4 hours 38 minutes to arrive in Cardiff. When does the train arrive in Cardiff?

- 2) The table shows part of a timetable for trains from Holyhead to Wrexham:

Caergybi	06:17	07:45	08:57
Wrecsam	07:58	09:20	10:36

When does the train that completes the journey quickest depart from Holyhead?

**Examination Question:**



**2015 January Link - Applications U1 Higher Qu 1**

Berlin's main railway station is known as the Hauptbahnhof. Bellevue and Wildau are two railway stations in opposite directions from the Hauptbahnhof.

On a particular day,

- trains leave the Hauptbahnhof to Bellevue every 14 minutes
- trains leave the Hauptbahnhof to Wildau every 12 minutes.

A train to Bellevue and a train to Wildau both leave the Hauptbahnhof at 10:00.

When will a train to Bellevue and a train to Wildau next leave the Hauptbahnhof at the same time?

[4]

**Assessment for Learning**

**Video / QR code**

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**Starter**

- 1) Convert to the 24 hour clock  
4:37pm : **16:37**  
12:20am : **00:20**
- 2) Convert to the 12 hour clock  
22:13 : **10:13pm**  
03:47 : **3:47am**

**Top Tips!**

- Remember to read down the columns to see the timings of a specific bus or train
- Remember that bus and train timetables use the 24 hour clock (i.e. 4 digits and no am/pm)
- You can't add/subtract time by placing them underneath each other
- Learn to use the time button on the calculator 

**Skills:**

- 3) A train departs Bangor at 10:47 and takes 4 hours 38 minutes to arrive in Cardiff. When does the train arrive in Cardiff?

**15:25**

- 4) The table shows part of a timetable for trains from Holyhead to Wrexham:

Caergybi	06:17	07:45	08:57
Wreccsam	07:58	09:20	10:36

When does the train that completes the journey quickest depart from Holyhead?

**06:17 – 07:58 = 1 hour 41 minutes**

**07:45 – 09:20 = 1 hour 35 minutes**

**08:57 – 10:36 = 1 hour 39 minutes**

**07:45**

**Examination Question:**



**2015 January Link - Applications U1 Higher Qu 1**

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On a particular day,

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When will a train to Bellevue and a train to Wildau next leave the Hauptbahnhof at the same time? [4]

**Wildau    Bellevue**

**10:12    10:14**

**10:24    10:28**

**10:36    10:42**

**10:48    10:56**

**11:00    11:10**

**11:12    11:24**

**11:24**

**Assessment for Learning**

**Video / QR code**