

TIMETABLES AND DISTANCE CHARTS

GRADE 1



Examination practice questions

You should have:

A ruler, protractor, compasses, a pen, pencil, eraser, calculator.
For some questions, you may need tracing paper.

Instructions

- Use **black** ink or ball-point pen.
- Answer the questions in the spaces provided – *there may be more space than you need.*
- **Calculators may be used.**

Information

- The marks for each question are shown in brackets.
- If the number of marks for two similar questions isn't the same, this is likely due to them being modelled on different specifications. In this case, it is worth considering both mark schemes.
- Use the number of marks for each question as a guide as to how much time to spend on each question. As a rough guide, you can multiply the number of marks by 1.2 to see how many minutes you should spend on a question.
- Questions will generally get more challenging as the document progresses. Some of the latter questions will go beyond the core grade level for this topic.

Advice

- Read each question carefully before you start to answer it.
- Don't forget to have fun.
- Check your answers at the end.

Q1.

Here is part of a railway timetable.

Manchester	05 15	06 06	06 45	07 05	07 15	07 45
Stockport	05 26	06 16	06 55	07 15	07 25	07 55
Macclesfield	05 39	06 29	07 08		07 38	08 08
Stoke-on-Trent	05 54	06 45	07 24		07 54	08 24
Stafford	06 12		07 41		08 11	
London Euston	08 07	08 26	09 06	09 11	09 50	10 08

A train leaves Manchester at 06 45

At what time should this train get to London Euston?

..... 9 06

(1 mark)

Q2.

The table shows part of a train timetable from Weymouth to London Waterloo.

Weymouth	0903	0920	1003	1020	1103
Poole	0940	1007	1040	1107	1140
Bournemouth	0953	1017	1054	1117	1154
Southampton	1026	1058	1128	1158	1228
Woking	1119		1219		1319
London Waterloo	1149	1220	1249	1320	1349

A train leaves Weymouth at 09 03

At what time should it arrive at London Waterloo?

..... 11 49

(1 mark)

Q3.

Here is part of a train timetable from Lostock to Preston.

Lostock	07 46	08 16		08 46	08 57
Horwich	07 50	08 20	08 39	08 50	09 01
Blackrod	07 53			08 53	
Adlington	07 57	08 25		08 57	
Chorley	08 02	08 30	08 47	09 02	09 09
Buckshaw	08 06	08 33		09 05	
Leyland	08 15	08 40		09 12	
Preston	08 20	08 49	08 59	09 17	09 22

Mike wants to go from Blackrod to Preston by train.
He needs to get to Preston by 09 25.

What is the latest train he can get from Blackrod?

..... 8 53

(1 mark)

Q4.

Here is part of a train timetable from Lostock to Preston.

Lostock	07 46	08 16		08 46	08 57
Horwich	07 50	08 20	08 39	08 50	09 01
Blackrod	07 53			08 53	
Adlington	07 57	08 25		08 57	
Chorley	08 02	08 30	08 47	09 02	09 09
Buckshaw	08 06	08 33		09 05	
Leyland	08 15	08 40		09 12	
Preston	08 20	08 49	08 59	09 17	09 22

Ariz wants to go from Horwich to Leyland by train.
He gets to the station at Horwich at 08 30.

What is the earliest time he can get to Leyland?

..... 9 12

(1 mark)

Q5.

This is the train timetable from Ellerbridge to Longstone on a weekday.

Ellerbridge	07 05	09 25	13 05	17 25	19 05
Fieldham	07 18	–	13 18	–	19 18
Tinborough	07 50	10 15	13 50	18 15	19 50
Middleford	08 22	10 51	14 22	18 51	20 22
Longstone	08 50	11 22	14 50	19 22	20 50

How many trains go from Fieldham to Longstone on a weekday?

3

(1 mark)

Q6.

The table shows part of a bus timetable from Shotton to Alton.

Shotton	07 30	08 00	09 00	10 00	11 00
Crook	07 45	08 15	09 15	10 15	11 15
Prudhoe	07 58	08 28	09 28	10 28	11 28
Hexham	08 15	08 45	09 45	10 45	11 45
Alton	08 30	09 00	10 00	11 00	12 00

A bus leaves Prudhoe at 08 28

How many minutes should it take to get to Hexham?

17

(1 mark)

Q7.

This is part of a bus timetable between Bury and Manchester.

Bury	08 25	08 55	09 15	09 30	09 45	10 05
Whitefield	08 34	09 04	09 24	09 39	09 54	10 14
Heaton Park	08 46	09 16	09 36	09 51	10 06	10 27
Cheetham	08 56	09 26	09 46	10 01	10 16	10 37
Manchester	09 05	09 35	09 55	10 10	10 25	10 48

How many minutes should the 08 25 bus take to go from Bury to Manchester?

40

(1 mark)

The table shows part of a train timetable from Weymouth to London Waterloo.

Weymouth	0903	0920	1003	1020	1103
Poole	0940	1007	1040	1107	1140
Bournemouth	0953	1017	1054	1117	1154
Southampton	1026	1058	1128	1158	1228
Woking	1119		1219		1319
London Waterloo	1149	1220	1249	1320	1349

A train leaves Poole at 11 40

How many minutes should it take to travel to Bournemouth?

14

(1 mark)

David wants to visit Dunster castle. He is going to go from Taunton to Dunster by bus.

Here is part of the bus timetable.

Taunton	07 20	08 42	09 33	11 03
Coombe Florey	07 40	08 58	09 58	11 28
Watchet	08 03	09 21	10 21	11 51
Carhampton	08 16	09 34	10 34	12 04
Dunster	08 18	09 36	10 36	12 06

A bus leaves Taunton at 08 42

What time should this bus get to Dunster?

9 36

(1 mark)

The chart shows the distance in miles between some towns in Northern Ireland.

Ballymena	26					
Coleraine	18	28				
Larne	47	21	47			
Limavady	31	38	14	57		
Portrush	18	31	7	52	20	
Strabane	61	56	43	81	31	48
	Ballycastle	Ballymena	Coleraine	Larne	Limavady	Portrush

Which two towns are furthest apart?

LARNE / STRABANE

(1 mark)

Reading				
22	Slough			
28	40	Guildford		
30	22	47	Oxford	
45	28	66	25	Buckingham

The table gives distances in miles by road between some towns.

Write down the distance between Reading and Guildford.

28 miles

(1 mark)

Reading				
22	Slough			
28	40	Guildford		
30	22	47	Oxford	
45	28	66	25	Buckingham

Sophie drives from Slough to Guildford.
 She then drives from Guildford to Reading.
 Sophie then drives from Reading to Slough.

Work out the total distance that she drives.

$$\begin{array}{r}
 M, \quad 40 \\
 + \quad 28 \\
 + \quad 22 \\
 \hline
 90
 \end{array}$$

A,
 90 miles
 (2 marks)

Here is part of the timetable for Class 6 on a Monday.

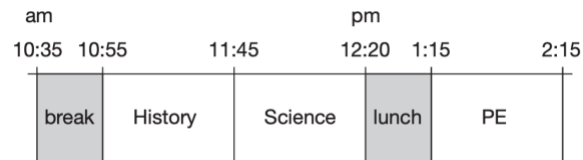
am		pm			
10:35	10:55	11:45	12:20	1:15	2:15
break	History	Science	lunch	PE	

Look at the timetable.

How long is it from the **end** of break to the **start** of lunch?

1h 25min

(1 mark)



Nisha leaves the Science lesson after 25 minutes.

Then she goes to the dentist.

What time does she leave the Science lesson?

12 : 10

(1 mark)

This table shows when flights take off at an airport.

Flight number	Destination	Take-off time
AX40	Paris	13:35
BH253	Berlin	14:05
CG008	Rome	15:25
DP369	Paris	15:40
EZ44	Lisbon	16:15
FJ994	Dublin	17:25

How many flights take off between 3pm and 5pm?

3

(1 mark)

Here is part of a railway timetable.

Manchester	05 15	06 06	06 45	07 05	07 15	07 45
Stockport	05 26	06 16	06 55	07 15	07 25	07 55
Macclesfield	05 39	06 29	07 08		07 38	08 08
Stoke-on-Trent	05 54	06 45	07 24		07 54	08 24
Stafford	06 12		07 41		08 11	
London Euston	08 07	08 26	09 06	09 11	09 50	10 08

The 06 45 train from Manchester takes more time to get to London Euston than the 07 05 train from Manchester.

(d) Work out how many more minutes the 06 45 train takes.

$$\begin{array}{r}
 M, \quad 2h \ 21 \text{ mins} \\
 - \quad 2h \ 6 \text{ mins} \\
 \hline
 \quad \quad 15 \text{ mins}
 \end{array}$$

$$\begin{array}{r}
 A, \\
 15 \\
 \dots\dots\dots \\
 (2 \text{ marks})
 \end{array}$$

Here is part of a railway timetable.

Manchester	07 53	09 17	10 35	11 17	13 30	14 36	16 26
Stockport	08 01	09 26	10 43	11 25	13 38	14 46	16 39
Macclesfield	08 23	09 38	10 58	11 38	13 52	14 58	17 03
Congleton	08 31	–	–	11 49	–	15 07	17 10
Kidsgrove	08 37	–	–	–	–	–	17 16
Stoke-on-Trent	08 49	10 00	11 23	12 03	14 12	15 19	17 33

The 14 36 train from Manchester to Stoke-on-Trent takes less time than the 16 26 train from Manchester to Stoke-on-Trent.

How many minutes less?

$$\begin{array}{r}
 M, \\
 67 - 43 \\
 \hline
 \quad \quad 24
 \end{array}$$

$$\begin{array}{r}
 A, \\
 24 \\
 \dots\dots\dots \\
 (2 \text{ marks})
 \end{array}$$

A train timetable is shown.

Southampton	10:15	11:45	13:15
Plymouth	14:54	16:24	17:57
Devonport	14:58	16:28	18:01

Kate catches the 11:45 from Southampton.
She arrives in Plymouth on time.

She goes shopping.
She gets back to Plymouth station 90 minutes later.

Is she back in time to catch the 17:57 train?

$$m, \quad 17:57 - 16:24 \\ = 1:33$$

A,
Yes!

(2 marks)

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.

At what time does the first bus after 09:00 leave Orme Station?

m, SuperActive
walking

A,
9:12

(2 marks)

After a meeting in Beijing, Jennifer flies home to London via Amsterdam. On landing in Amsterdam, Jennifer's phone tells her the time and date in the following cities.

Amsterdam, Netherlands	18:00	3 Feb
London, United Kingdom	17:00	3 Feb
Miami, United States of America	12:00	3 Feb

Jennifer plans to telephone her brother as soon as she gets home.

She will arrive at her home, in London, at 23:15 local time.

Her brother lives in Miami, and arrives home from work at 17:00 local time.

Determine whether her brother will be home from work when Jennifer makes the phone call.

5 hours

$$\begin{array}{r} \text{m,} \\ 23:15 - 5 \text{ hours} \\ = 18:15 \end{array}$$

A,
Yes

.....
(2 marks)