

Name: _____

GCSE (1 – 9)

Time

Instructions

- Use **black** ink or ball-point pen.
- Answer all questions.
- Answer the questions in the spaces provided
– *there may be more space than you need.*
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- You must **show all your working out.**

Information

- The marks for each question are shown in brackets
– *use this as a guide as to how much time to spend on each question.*

Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end

- 1 Change 120 minutes to hours.

$$\frac{120}{60}$$

..... 2 hours

(Total for question 1 is 1 mark)

- 2 Change 4 hours to minutes.

$$4 \times 60$$

..... 240 minutes

(Total for question 2 is 1 mark)

- 3 Work out the difference, in minutes, between 55 minutes and $1\frac{3}{4}$ hours.

1 hour 45 mins

$$60 + 45 = \underline{105}$$

$$105 - 55$$

..... 50 minutes

(Total for question 3 is 2 marks)

- 4 Work out the difference, in minutes, between 2 hour 25 minutes and $1\frac{1}{2}$ hours.

$$\begin{aligned} 2 \times 60 + 25 \\ 120 + 25 \\ = 145 \end{aligned}$$

$$\begin{aligned} \leftarrow \underline{1 \text{ hour } 30 \text{ mins}} \\ \downarrow \\ 60 + 30 \\ = 90 \end{aligned}$$

$$145 - 90$$

..... 55 minutes

(Total for question 4 is 2 marks)

5

Hayley left her home at 10.40 am.

She walked from her home to the shop.
It took her 14 minutes to walk to the shop.

Hayley was at the shop for 10 minutes.

Then Hayley walked from the shop to her friends house.
It took Hayley 22 minutes to walk to her friends house.

What time did Hayley arrive at her friends house?

+ 14 mins
 10 54
 + 10 mins
 11 04
 + 22 mins
 11 26

11.26 am

(Total for question 5 is 2 marks)

6

A film starts at 7.45 pm.
The film lasts 98 minutes.

What time does the film finish?

60 mins + 38 mins

7.45 → +60 mins → 8.45 → +15 mins → 9.00 → +23 mins → 9.23

 9.23 pm

(Total for question 6 is 2 marks)

7

Natalie drives from London to Sheffield.

Natalie leaves London at 9.15 am.

Natalie drives for $2\frac{1}{4}$ hours before stopping for a break.

The break lasts for 20 minutes.

Natalie then takes another 85 minutes to reach Sheffield.

What time does Natalie arrive in Sheffield?

9.15 → +2 hours 15 mins → 11.30
 → +20 mins → 11.50
 → +85 mins (1 hour 25 mins) → 12.50
 → → 13.15

13.15

(Total for question 7 is 2 marks)

[1.15pm]

8 Here is part of a train timetable.

London St Pancras	0540	0618	0701	0755
Ebbsfleet	0558	-	-	0812
Ashford	0624	0655	-	-
Paris	0917	0947	1017	1117

(a) A train leaves London St Pancras at 0618, how many minutes should it take to reach Paris?

$$0618 \rightarrow 0947$$

$$0618 \rightarrow 0918 \rightarrow 0947$$

3 hours 29 mins

$$180 + 29 = 209 \dots\dots\dots 209 \dots\dots\dots \text{minutes}$$

(1)

(b) What is the difference, in minutes, between the time it takes for the 0540 train and the 0618 train from London St Pancras to reach Paris?

$$0540 \rightarrow 0917$$

$$0540 \rightarrow 0840 \rightarrow 0917$$

3 hours 37 mins

$$3 \text{ hours } 37 - 3 \text{ hours } 29 \dots\dots\dots 8 \text{ minutes}$$

(2)

Georgie lives in Ashford. She has to get to a meeting in Paris for 1030.

(c) What is the time of the latest train she can get from Ashford?

$$\dots\dots\dots 0655 \dots\dots\dots$$

(1)

(Total for question 8 is 4 marks)

Here is part of a bus timetable.

Woolwich	0717	0724	0732	0739	0746
Woolwich Arsenal	0719	0726	0734	0741	0748
Plumstead Station	0725	0732	0740	0747	0754
Plumstead Corner	0730	0737	0745	0752	0759
Upper Wickham Lane	0737	0744	0752	0759	0806
Welling Corner	0743	0750	0758	0805	0813
Bexleyheath	0754	0801	0809	0817	0825
Crayford	0803	0811	0819	0827	0835
Dartford Station	0814	0823	0831	0839	0847
Darent Valley Hospital	0824	0833	0841	0849	0857
Bluewater	0828	0837	0845	0853	0901

(a) A bus leaves Woolwich at 0724, how many minutes does this bus take to reach Bluewater?

0724 → 0837
 0724 → 0824 → 0837
 1 hour 13 mins
 60 + 13 73 minutes
 (1)

Jeff needs to get from Bexleyheath to Bluewater to start work at 9 am.
 It takes Jeff 12 minutes to walk from his house to the bus stop in Bexleyheath.
 It takes Jeff 8 minutes to walk from the bus station in Bluewater to his work.

(b) What is the latest time Jeff can leave his house to get to work on time?

Must arrive at Bluewater at 0845

Bexleyheath bus at 0809

- 12 mins

0757

get to Bluewater
 for
0852

..... 0757
 (3)

(Total for question 9 is 4 marks)

7.57 am

10 Here is part of a train timetable.

London Marylebone	1410	1440	1510	1540
High Wycombe	1433	-	1534	-
Banbury	1506	1541	1608	1639
Leamington Spa	1524	1559	1626	1657
Warwick Parkway	1530	1606	1631	1705
Solihull	1544	1622	1644	1721
Birmingham Moor Street	1556	1632	1653	1735

(a) A train leaves London Marylebone at 1440, what time does it arrive in Birmingham Moor Street?

1632

(b) How many minutes should the 1410 train take to get from London Marylebone to Birmingham Moor Street?

(1)

1410 → 1510 → 1556
 1 hour 46 mins

60 + 46 = 106 106

minutes

(1)

Millie goes from Banbury to Birmingham Moor Street on the train.

Millie takes 16 minutes to get from her house to the train station in Banbury.
 She takes 20 minutes to get from Birmingham Moor Street station to her meeting.

Millie needs to get to the meeting by 5 pm.
 Millie leaves her home at 3.15 pm.

(c) Does Millie get to her meeting by 5pm?
 You must show all your working.

3.15 3.31 TRAIN AT 1541 ARRIVES AT 1632

+16
 mins

1632 1652

+20
 mins

Yes she arrives at 1652

minutes

(3)

(Total for question 10 is 5 marks)