

GCSE QUESTIONS

Q1. NON-CALCULATOR

How many minutes are there in $3\frac{1}{2}$ hours?

..... minutes

(Total for question = 1 mark)

Q2. NON-CALCULATOR

How many minutes are there in $3\frac{1}{4}$ hours?

..... minutes

(Total for question is 1 mark)

Q3. NON-CALCULATOR

Ruth left her home at 9 am and walked to the library.
She got to the library at 10 30 am.
Ruth walked at a speed of 4 mph.

(a) Work out the distance Ruth walked.

..... miles

(2)

Ruth got to the library at 10 30 am.
She stayed at the library for 50 minutes.
Then she walked home.

Ruth took $1\frac{1}{4}$ hours to walk home.

(b) At what time did Ruth get home?

.....

(2)

(Total for question = 4 marks)

Q4. CALCULATOR ALLOWED

| | | | |
|-----------------|-------|-------|-------|
| Brighton | 07 22 | 07 29 | 07 32 |
| London | 09 00 | 08 32 | 08 48 |

Here is part of a train timetable.

Graham gets to the station in Brighton at 07 15

(a) Work out how many minutes he has to wait until 07 22

..... minutes
(1)

(b) Work out how long it will take the 07 22 train to get to London.

.....
(2)
(Total for question = 3 marks)

Q5. CALCULATOR ALLOWED

Here is part of a train timetable from Swindon to London.

| Swindon to London | | | | | | | |
|-------------------|-------|-------|-------|-------|-------|-------|-------|
| Swindon | 06 10 | 06 27 | 06 41 | 06 58 | 07 01 | 07 17 | 07 28 |
| Didcot | 06 27 | 06 45 | 06 58 | – | 07 18 | – | 07 45 |
| Reading | 06 41 | 06 59 | 07 13 | 07 28 | 07 33 | 07 43 | 08 00 |
| London | 07 16 | 07 32 | 07 44 | 08 02 | 08 07 | 08 14 | 08 33 |

(a) How long should the 06 58 train from Swindon take to get to London?

.....
(1)

Clare says, "All these trains take more than one hour to get from Swindon to London."

(b) Is Clare correct? You must give a reason for your answer.

.....
.....

(1)
(Total for question = 2 marks)

Q6. CALCULATOR ALLOWED

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 |

(a) How long should the 07 46 train take to go from Lostock to Buckshaw?

..... minutes
(1)

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

(b) What is the earliest time he can get to Leyland?

.....
(1)

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

(c) What is the latest train he can get from Blackrod?

.....
(1)

(Total for question = 3 marks)

Q7. CALCULATOR ALLOWED

Davos is a cleaner.

The table shows information about the time it will take him to clean each of four rooms in a house.

| Room | Time |
|--------------|----------------------|
| Kitchen | 2 hours |
| Sitting room | 1 hour 40 minutes |
| Bedroom | $1\frac{1}{2}$ hours |
| Bathroom | 45 minutes |

Davos wants to clean all four rooms in one day.
He will have breaks for a total time of 75 minutes.

Davos is going to start cleaning at 9 am.

Will he finish cleaning by 4 pm? You must show all your working.

(Total for question = 3 marks)