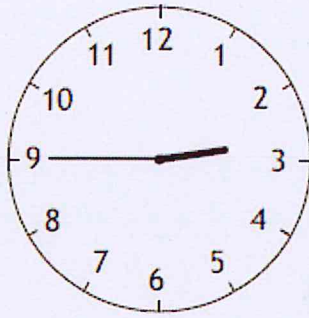


Q1. A clock shows this time twice a day.



Tick the two digital clocks that show this time.

03:45

02:45 ✓

09:45

21:45

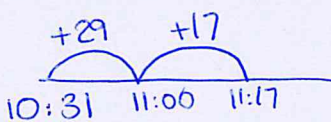
14:45 ✓

1 mark

Q2. Here is part of the bus timetable from Riverdale to Mott Haven.

Riverdale	10:02	10:12	10:31	10:48
Kingsbridge	10:11	10:21	10:38	10:55
Fordham	10:28	10:38	10:54	11:11
Tremont	10:36	10:44	11:00	11:17
Mott Haven	10:53	11:01	11:17	11:34

How many minutes does it take the 10:31 bus from Riverdale to reach Mott Haven?



$$\begin{array}{r} 29 \\ 17 \\ \hline 46 \end{array}$$

46 minutes

Mr Evans is at Fordham at 10:30

What is the **earliest** time he can reach Tremont on the bus?

10:44

10:44

Q3. Holly takes **half an hour** to walk from home to school.

She arrives at school at 8:25am.

At what time did she leave home?



7:55 am

Dev leaves school at half past three.

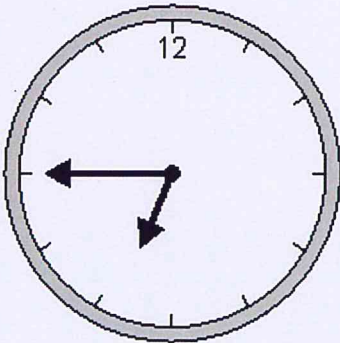
He arrives home at ten past four.

How many minutes did it take him to get home?

40 minutes

1 mark

Q4. Here is a clock.



How many minutes is it **until** this clock shows 7:30?

45 minutes

Here is another clock.

14 : 53

What time will the clock show in 20 minutes?

15 : 13

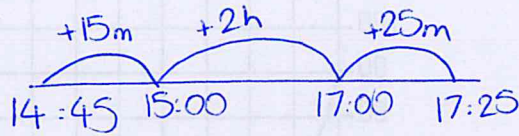
Q5. These are the start and finish times on a video cassette recorder.

START 14:45

FINISH 17:25

For how long was the video recording?

2 hours 40 minutes



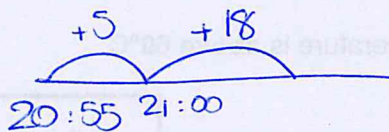
1 mark

Q6.

Here are the sunrise and sunset times for some days in July.

Date	Sunrise	Sunset
7th	04:53	21:18
14th	05:00	21:12
21st	05:09	21:05
28th	05:18	20:55

How many minutes earlier is the **sunset** on 28th July than on 7th July?

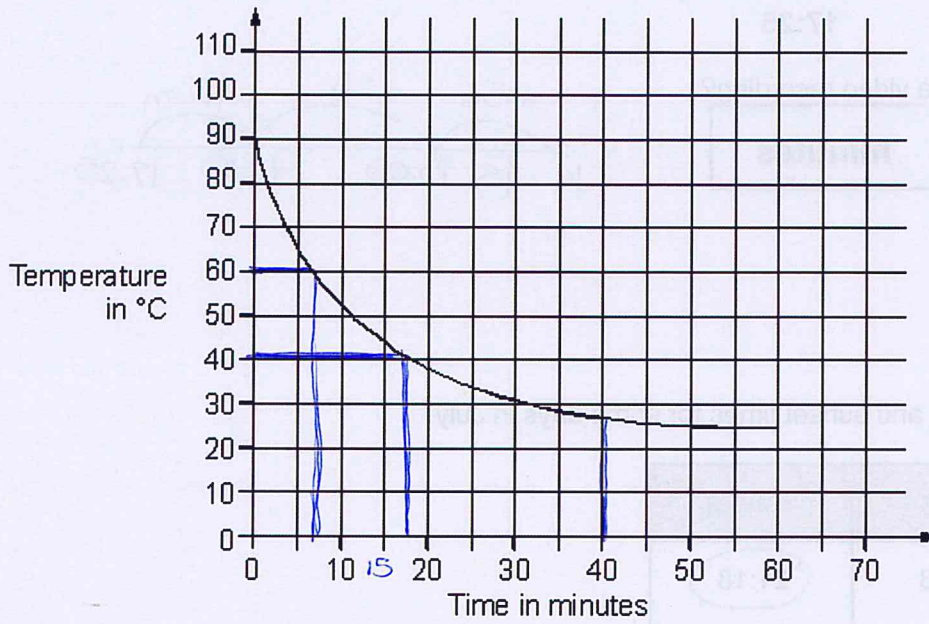


23 minutes

1 mark

Q7. A hot liquid is left to cool in a science experiment.

This graph shows how the temperature of the liquid changes as it cools.



Read from the graph **how many minutes** it takes for the temperature to reach **40°C**

17 minutes

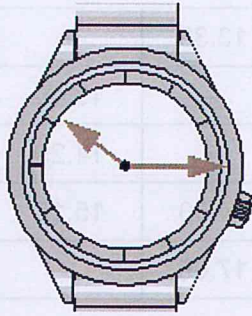
1 mark

Read from the graph **how many minutes** the temperature is **above 60°C**

6 minutes

1 mark

Q8. This was the time on Selin's watch when she **set off** for a walk.



What time did the watch show 20 minutes **before** this?

9:55

What time did it show an hour and a half **after she set off** for the walk?

11:45

Q10. Here are the **start** and **finish** times of some children doing a sponsored walk.

	Start time	Finish time
Claire	9.30	10.55
Ruth	9.35	11.05
Dan	9.40	11.08
Tim	9.45	11.05

1:25

1:20

How much longer did Claire take than Tim?

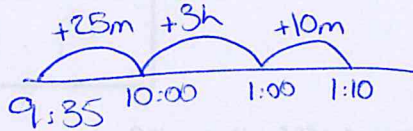
5 minutes

1 mark

Q11. Here is part of a train timetable.

Edinburgh	–	09.35	–	–	13.35	–	–
Glasgow	09.15	–	11.15	13.15	–	13.45	15.15
Stirling	09.57	–	11.57	13.57	–	14.29	15.57
Perth	10.34	10.51	12.34	14.34	14.50	15.15	16.35
Inverness	–	13.10	–	–	17.05	–	–

How long does the first train from Edinburgh take to travel to Inverness?



3 hours 35 min

Ellen is at Glasgow station at 1.30pm.

She wants to travel to Perth.

She catches the next train.

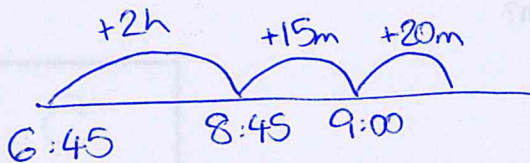
At what time will she arrive in Perth?

15:15

Q12. A film starts at 6:45pm.

It lasts 2 hours and 35 minutes.

What time will the film finish?



9:20 pm

1 mark

Q13. A clock shows this time.



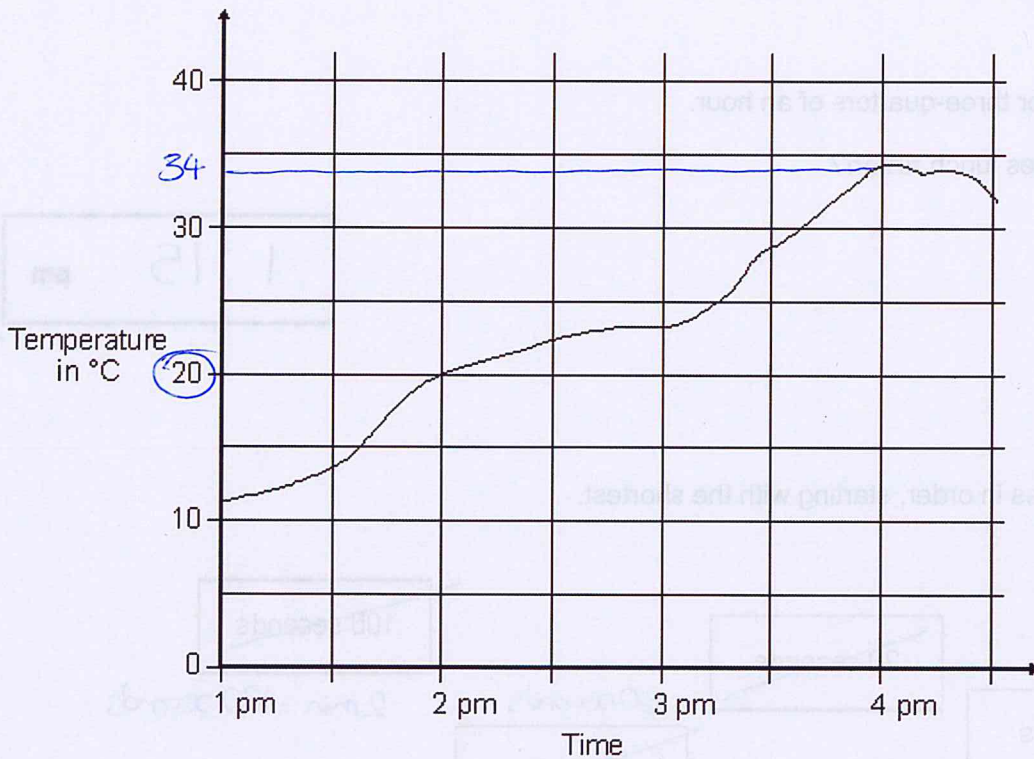
How long is it from this time until 5pm?

1 hour 20 min

What time was it quarter of an hour before the time on the clock?

3:25 pm

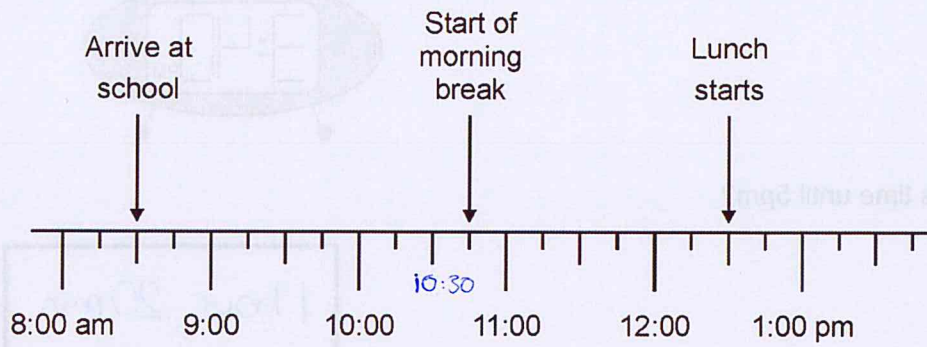
Q14. This graph shows the temperature in a greenhouse.



Use the graph to find the difference between the temperature at 2pm and the temperature at 4pm.

14 degrees

Q15. Jamie makes a time line of part of his day.



What time does Jamie's morning break start?

10:45 am

1 mark

Lunch lasts for three-quarters of an hour.

What time does lunch finish?

1:15 pm

1 mark

Q18. Put these times in order, starting with the shortest.

5 minutes

~~20 seconds~~

60 seconds

~~100 seconds~~

~~1 minute~~

2 min = 120 seconds

20 seconds

1 minute

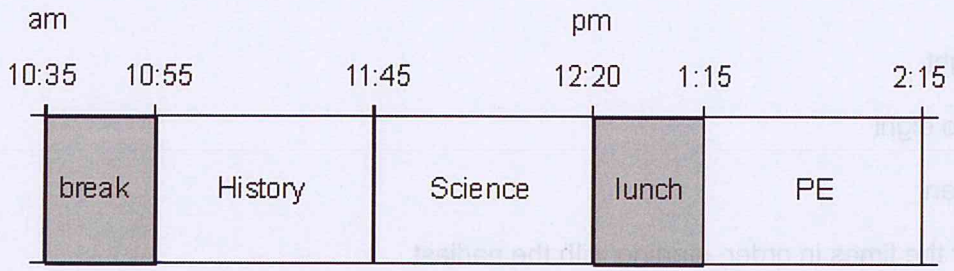
100 seconds

5 min

shortest

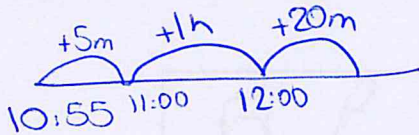


Q17. Here is part of the timetable for Class 6 on a Monday.



Look at the timetable.

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



1 hour 25 min

Nisha leaves the Science lesson after 25 minutes.

Then she goes to the dentist.

What time does she leave the Science lesson?

12:10

Q19. Write these times in order, starting with the shortest.

~~24 days~~

10 weeks

30 days  
~~1 month~~

2 days  
~~48 hours~~

48 hours

24 days

1 month

10 weeks

smallest

Q20. These are all times on the same morning.

- 4. A 7:56 am
- 2. B quarter to eight
- 3. C six minutes to eight
- 1. D half past seven

Write the letters for the times in order, starting with the earliest.

DBCA

Q21. This table shows the opening times of a pet clinic.

  <b>Pet Clinic</b>  	
Monday	10am to 4:30pm
Tuesday	10am to 4:30pm
Wednesday	Closed all day
Thursday	10:30am to 2:30pm
Friday	1pm to 6:30pm
Saturday	10am to 5:30pm
Sunday	Closed all day

How many hours is the clinic open on Thursday?

**4** hours

On which day is the clinic open for the longest time?

**Saturday**

Q22. Here is part of the morning train timetable from Perth to Midland in Australia.

Perth	07:11	07:20	07:27	07:35	07:43	07:55
Maylands	–	07:28	07:33	07:43	07:49	08:03
Ashfield	–	–	07:38	–	07:54	–
Success Hill	07:25	–	07:41	–	07:57	–
Midland	07:32	07:41	07:48	07:56	08:05	08:16

What time is the first train from Maylands that stops at Success Hill?

07:33

7 : 33

Mr Evans is in Perth and wants to be in Midland by 08:00

What is the time of the **latest** train he can take from Perth?

07:35

7 : 35

Q23.

Liam hires a bike.

He has to return it by 3 pm.

The time is 2:25 pm.

How many minutes has he got left?



35 minutes

Amy hires a bike for 45 minutes.

She takes the bike out at 3:30 pm.

At what time must she return the bike?

4 : 15 pm

Q24. Kirsty ran a race in one and a half minutes.

Mina took 10 seconds longer.

How many **seconds** did Mina take to run the race?

100 seconds

Seb made a jump of two and a half metres.

Kirsty's jump was 10 centimetres longer.

How long was Kirsty's jump?

2.60m

Q25. Seb has to see the doctor at 10:05 am.

He gets to the doctor's surgery at 9:52 am.

How many minutes **early** is he?

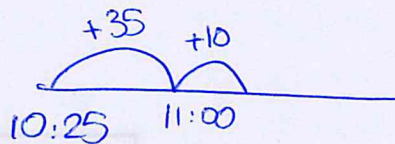
13 minutes

He leaves the doctor's surgery at 10:25 am.

He gets to school 45 minutes later.

What time does he arrive at school?

11:10 am



Q27. Here are the times of some television programmes.

Channel 1	
7.00	Cartoon
7.15	Film
9.00	News
9.30	Weather
9.35	Sport
10.20	Drama

Channel 2	
7.00	Local News
7.45	Quiz Show
8.30	Comedy
9.00	Hospital Drama
10.00	Pop Chart
10.40	Film

What is showing on **Channel 2** at ten minutes to eight?

8:10

Quiz Show

1 mark

Tom watches **Hospital Drama** and then **changes** to **Channel 1** at the end.

What is showing on **Channel 1** when he changes channel?

10:01

Sport

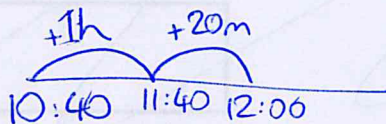
1 mark

The film on **Channel 2** starts at **10.40**

It lasts for **one and a half hours**.

At what time does the film **end**?

12:10



minutes 20

hours 1

Q28. Here is part of the morning bus timetable from Winton to Yansley.

<b>Winton</b>	9:35	9:55	10:15	10:35
<b>Ingham</b>	9:45	10:05	10:25	10:45
<b>Carston</b>	10:01	10:21	10:41	11:01
<b>Dubley</b>	10:23	10:43	11:03	11:23
<b>Yansley</b>	10:55	11:15	11:35	11:55

How many minutes does the bus take to get from Ingham to Dubley?

38 minutes

Megan is in Carston.

She wants to be in Yansley before 11:30

What is the time of the latest bus she can take from Carston?

10 : 21

One morning, the 10:35 bus from Winton gets to Carston 3 minutes early.

What time does it get to Carston?

10 : 58

How many people get up at 8 am or later?

~~10~~

Q30. What is 444 minutes in hours and minutes?

7 hours

24 minutes

hour  
~~hour~~ 60 min  
 2 120  
 4 240  
 6 360

$$7 = 420$$

Q31. Stefan's watch shows five minutes past nine.

The watch is twelve minutes fast



What is the correct time?

8 : ~~55~~  
53

Q32. How many **days** old will a baby be when she has lived for **one million seconds**?

Show your method

$$\begin{array}{r} 60 \times 60 \times 24 \\ 3600 \\ \underline{\quad 24} \\ 14400 \\ \underline{72000} \\ 86400 \text{ s in 1 day} \\ \cancel{864000} \text{ s in 10 days} \\ + 172800 \text{ s in 2 days} \\ \hline 1036800 \text{ s in 12 days} \end{array}$$

11 days

