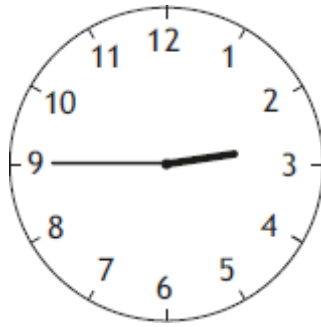**Q1.** A clock shows this time twice a day.

Tick the two digital clocks that show this time.

| 03:45 | 02:45 | 09:45 |

| 21:45 | 14:45 |

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?

minutes

Mr Evans is at Fordham at 10:30

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

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

She arrives at school at 8:25am.

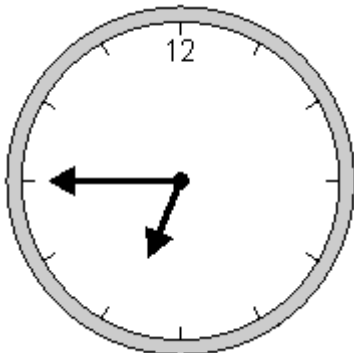At what time did she leave home?

am

Dev leaves school at half past three.

He arrives home at ten past four.
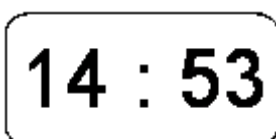
How many minutes did it take him to get home?

minutes

1 mark

Q4. Here is a clock.

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

minutes

Here is another clock.

14 : 53

What time will the clock show in 20 minutes?

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?

hours	**minutes**

1 mark

Q6.

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

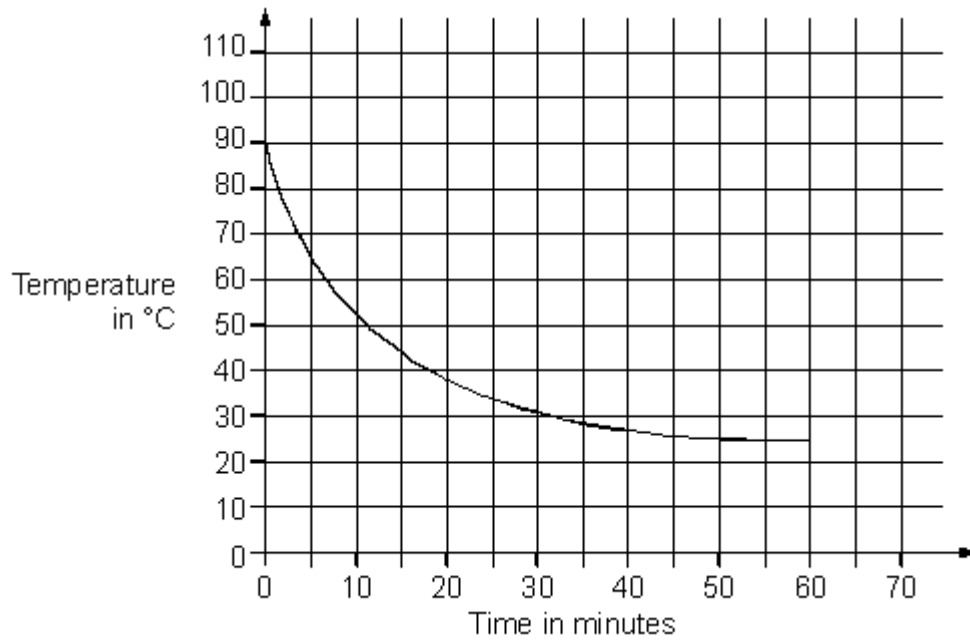| Date	Sunrise	Sunset
7th	04:53	21:18
14th	05:00	21:12
21st	05:09	21:05
28th	05:18	20:55

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

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**

minutes

1 mark

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

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?

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

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

How much longer did Claire take than Tim?

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?

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?

Q12. A film starts at 6:45pm.

It lasts 2 hours and 35 minutes.

What time will the film finish?
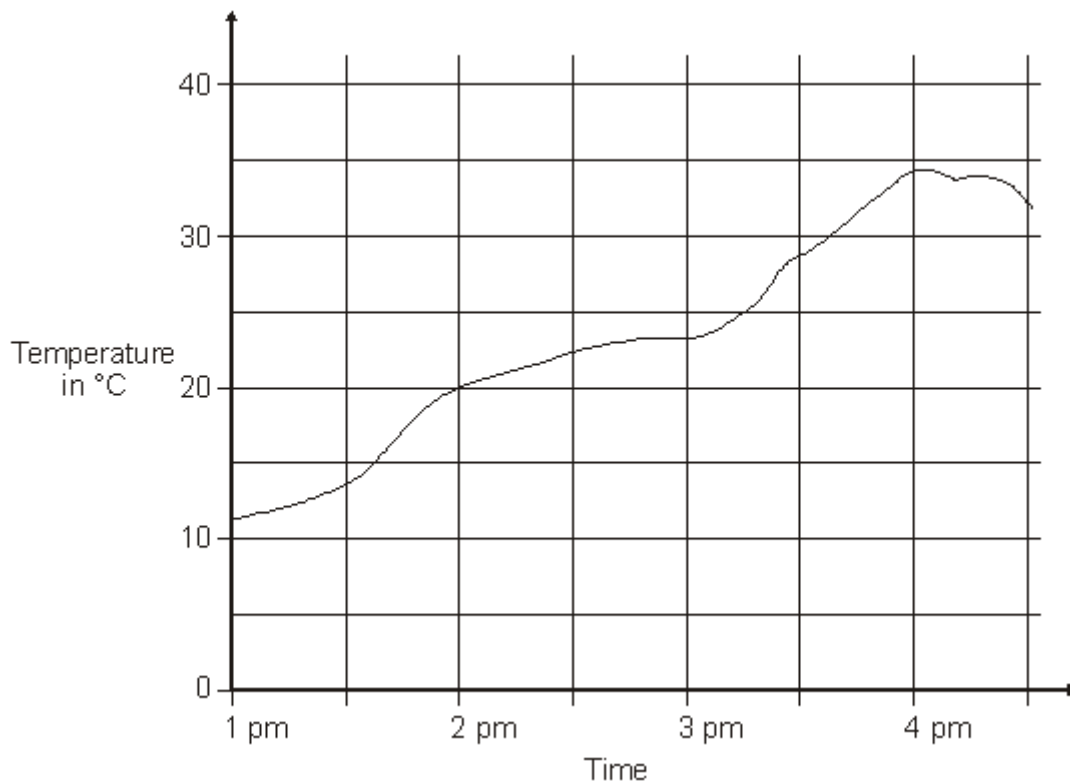
pm

1 mark

Q13. A clock shows this time.

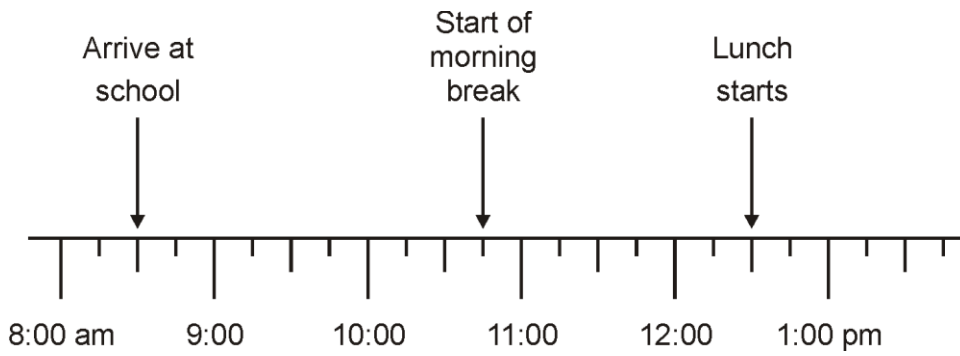How long is it from this time until 5pm?

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

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.

degrees

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

Arrive at school   Start of morning break   Lunch starts

8:00 am   9:00   10:00   11:00   12:00   1:00 pm

What time does Jamie's morning break start?

| am |

1 mark

Lunch lasts for three-quarters of an hour.

What time does lunch **finish**?

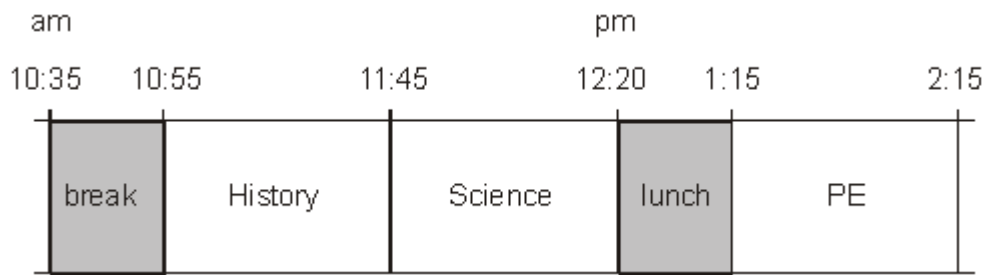| pm |

1 mark

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

| 5 minutes |

| 20 seconds |

| 100 seconds |

| 1 minute |

| | | | |

shortest

Q17. 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?

Nisha leaves the Science lesson after 25 minutes.

Then she goes to the dentist.

What time does she leave the Science lesson?

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

24 days		10 weeks

1 month		48 hours

smallest

Q20. These are all times on the same morning.

A 7:56 am

B quarter to eight

C six minutes to eight

D half past seven

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

_____

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

Pet Clinic	
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?

hours

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

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?

```
        :
```

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?

```
        :
```

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?

```
                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?

```
                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?

	seconds

Seb made a jump of two and a half metres.

Kirsty's jump was 10 centimetres longer.

How long was Kirsty's jump?

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?

	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?

	am

Q27. Here are the times of some television programmes.

Channel 1		Channel 2	
7.00	Cartoon	7.00	Local News
7.15	Film	7.45	Quiz Show
9.00	News	8.30	Comedy
9.30	Weather	9.00	Hospital Drama
9.35	Sport	10.00	Pop Chart
10.20	Drama	10.40	Film

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

_____

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?

_____

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**?

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

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

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

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?

:

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

What time does it get to Carston?

:

How many people get up at **8 am or later**?

Q30. What is 444 minutes in hours and minutes?

hours	minutes

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

The watch is twelve minutes fast

What is the correct time?

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

Show
your
method

days