

Year 4: Timetables and time problems: answers

Year 4 - Telling the Time and the 24-Hour Clock - Lesson 8.7

Answers. Final answers to the worksheet questions. Full step-by-step solutions for every question are free at websink.site/ks2-sats/maths/year-4/ch08-time/timetables-and-time-problems/

Exercise 8G Timetables Non-calculator

1 Use the bus timetable.

Bus timetable (24-hour times)

Stop	Bus 1	Bus 2	Bus 3	Bus 4
Library	07:45	08:15	08:45	09:30
Market	07:58	08:28	08:58	09:43
Park	08:10	08:40	09:12	09:55
Station	08:24	08:54	09:30	10:09

(a) What time does Bus 3 leave the Park?

Answer: 09:12

(b) What time does Bus 1 arrive at the Station?

Answer: 08:24

(c) Which bus leaves the Market at 08:28?

Answer: Bus 2

(d) What time does Bus 4 leave the Library?

Answer: 09:30

2 Use the bus timetable. How long does each bus take to go from the Library to the Park?

Bus timetable (24-hour times)

Stop	Bus 1	Bus 2	Bus 3	Bus 4
Library	07:45	08:15	08:45	09:30
Market	07:58	08:28	08:58	09:43
Park	08:10	08:40	09:12	09:55
Station	08:24	08:54	09:30	10:09

(a) Bus 1

Answer: 25 minutes

(b) Bus 2

Answer: 25 minutes

(c) Bus 3

Answer: 27 minutes

(d) Bus 4

Answer: 25 minutes

3 Use the bus timetable. Each person arrives at a bus stop and catches the next bus. How long does each person wait?

Bus timetable (24-hour times)

Stop	Bus 1	Bus 2	Bus 3	Bus 4
Library	07:45	08:15	08:45	09:30
Market	07:58	08:28	08:58	09:43
Park	08:10	08:40	09:12	09:55
Station	08:24	08:54	09:30	10:09

(a) Jack arrives at the Library stop at 08:00.

Answer: 15 minutes

(b) Mei arrives at the Market stop at 08:50.

Answer: 8 minutes

(c) Omar arrives at the Park stop at 09:00.

Answer: 12 minutes

4 Use the train timetable. How long does each train take to go from Westbridge to Northam?

Train timetable

Train	Westbridge	Midford	Northam
Train 1	9:10 am	9:42 am	10:25 am
Train 2	10:05 am	10:37 am	11:20 am
Train 3	11:40 am	12:14 pm	1:05 pm

(a) Train 1

Answer: 1 hour 15 minutes

(b) Train 2

Answer: 1 hour 15 minutes

(c) Train 3

Answer: 1 hour 25 minutes

5 Use the TV guide. How long is each programme?

TV guide

Time	Programme
4:00 pm	Cartoon Club

4:30 pm	Wildlife Watch
5:15 pm	News Round
5:45 pm	Bake It!
6:30 pm	Quiz Night
7:15 pm	Family Film

(a) Cartoon Club

Answer: 30 minutes

(b) News Round

Answer: 30 minutes

(c) Bake It!

Answer: 45 minutes

(d) Quiz Night

Answer: 45 minutes

- 6 Use the TV guide. Ella starts watching at 4:15 pm and watches until Bake It! ends. How long does she watch for?

TV guide

Time	Programme
4:00 pm	Cartoon Club
4:30 pm	Wildlife Watch
5:15 pm	News Round
5:45 pm	Bake It!
6:30 pm	Quiz Night
7:15 pm	Family Film

Answer: 2 hours 15 minutes

- 7 Use the school timetable.

School day

Activity	Starts	Ends
Registration	8:50 am	9:00 am
Lesson 1	9:00 am	9:50 am
Lesson 2	9:50 am	10:40 am
Break	10:40 am	10:55 am
Lesson 3	10:55 am	11:45 am
Lesson 4	11:45 am	12:35 pm
Lunch	12:35 pm	1:30 pm
Afternoon lessons	1:30 pm	3:15 pm

(a) How long is the break?

Answer: 15 minutes

(b) How long is Lesson 3?

Answer: 50 minutes

(c) How long is it from the start of Lesson 1 to the end of Lesson 2?

Answer: 1 hour 40 minutes

8 Use the school timetable. How long is the school day, from registration to the end of the afternoon?

School day

Activity	Starts	Ends
Registration	8:50 am	9:00 am
Lesson 1	9:00 am	9:50 am
Lesson 2	9:50 am	10:40 am
Break	10:40 am	10:55 am
Lesson 3	10:55 am	11:45 am
Lesson 4	11:45 am	12:35 pm
Lunch	12:35 pm	1:30 pm
Afternoon lessons	1:30 pm	3:15 pm

Answer: 6 hours 25 minutes

9 Use the bus timetable. Leo catches Bus 2 from the Library to the Park. He then walks to school for 10 minutes. School starts at 09:00. Is he on time? Explain.

Bus timetable (24-hour times)

Stop	Bus 1	Bus 2	Bus 3	Bus 4
Library	07:45	08:15	08:45	09:30
Market	07:58	08:28	08:58	09:43
Park	08:10	08:40	09:12	09:55
Station	08:24	08:54	09:30	10:09

Answer: Yes. He arrives at 08:50, 10 minutes early

10 Use the bus timetable. Aisha needs to be at the Station by 09:20. Which bus should she catch from the Library, and how many minutes early will she arrive?

Bus timetable (24-hour times)

Stop	Bus 1	Bus 2	Bus 3	Bus 4
Library	07:45	08:15	08:45	09:30
Market	07:58	08:28	08:58	09:43
Park	08:10	08:40	09:12	09:55
Station	08:24	08:54	09:30	10:09

Answer: Bus 2 (08:15). 26 minutes early

- 11** Film A starts at 1:45 pm and lasts 1 hour 50 minutes. Film B starts at 2:10 pm and lasts 1 hour 35 minutes.

(a) What time does Film A finish?

Answer: 3:35 pm

(b) What time does Film B finish?

Answer: 3:45 pm

(c) Which film finishes first?

Answer: Film A

- 12** Noah says, "Amira arrives at the Market stop at 08:35, so she can catch the 08:28 bus." What mistake has Noah made? Which bus can she catch?

Bus timetable (24-hour times)

Stop	Bus 1	Bus 2	Bus 3	Bus 4
Library	07:45	08:15	08:45	09:30
Market	07:58	08:28	08:58	09:43
Park	08:10	08:40	09:12	09:55
Station	08:24	08:54	09:30	10:09

Answer: The 08:28 bus has gone. Bus 3 at 08:58

- 13** Priya says, "The 08:15 bus is quicker than the 08:45 bus from the Library to the Station." Do you agree? Show how you know.

Bus timetable (24-hour times)

Stop	Bus 1	Bus 2	Bus 3	Bus 4
Library	07:45	08:15	08:45	09:30
Market	07:58	08:28	08:58	09:43
Park	08:10	08:40	09:12	09:55
Station	08:24	08:54	09:30	10:09

Answer: Yes. 39 minutes compared with 45 minutes

- 14 Challenge.** Ella walks for 15 minutes to the Library bus stop and catches Bus 2 just in time. The bus takes her to the Station. Then she walks for 12 minutes to school.

Bus timetable (24-hour times)

Stop	Bus 1	Bus 2	Bus 3	Bus 4
Library	07:45	08:15	08:45	09:30
Market	07:58	08:28	08:58	09:43
Park	08:10	08:40	09:12	09:55
Station	08:24	08:54	09:30	10:09

(a) What time does she leave home?

Answer: 08:00

(b) What time does she arrive at school?

Answer: 09:06