

CHAPTER 11: TIME

Level 1

Exercise 1

1. Read the clock and fill in the missing time and numbers.

(a)



The time is 3.25.

We can also say that it is _____ minutes past 3.

(b)



The time is (i) _____.

We can also say that it is

(ii) _____ minutes past

(iii) _____.

(c)



The time is (i) _____.

We can also say that it is

(ii) _____ minutes past

(iii) _____.

2. Read the clock and fill in the missing time and numbers.



The time is 1.40.

We can also say that it is

_____ minutes to 2.



The time is (i) _____.

We can also say that it is

5 minutes to (ii) _____.



The time is (i) _____.

We can also say that it is

(ii) _____ minutes to 7.

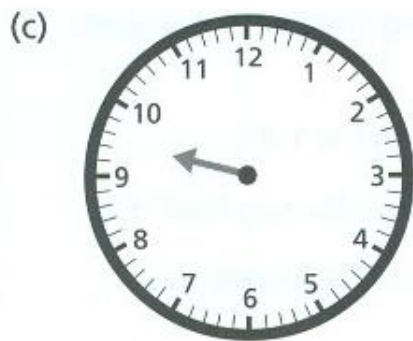
3. Draw the minute hand to show the time.



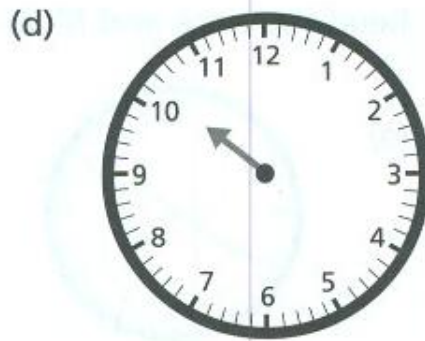
5 minutes past 6



10 minutes to 6



20 minutes to 10



20 minutes past 10

4. Draw the hour hand to show the time.



10 minutes past 2



10 minutes to 2



25 minutes past 7



25 minutes to 7

5. Fill in the blanks with 'past' or 'to'.
- (a) 10.50 is 10 minutes _____ 11.
(b) 1.09 is 9 minutes _____ 1.
(c) 3.40 is 20 minutes _____ 4.
6. Fill in the missing numbers.
- (a) 6.05 is _____ minutes past 6.
(b) 12.45 is _____ minutes to 1.
(c) 4.13 is 13 minutes past _____.
7. Fill in the missing time.
- (a) _____ is 24 minutes past 12.
(b) _____ is 15 minutes to 10.
(c) _____ is 6 minutes to 12.
8. Write in minutes.
- (a) 1 h = _____ min
(b) 2 h = 2 × _____ min = _____ min
(c) 4 h = _____ × _____ min = _____ min
9. Give your answers in minutes.
- (a) 1 h 20 min = _____ min + _____ min
= _____ min

$$\begin{aligned} \text{(b) } 2 \text{ h } 35 \text{ min} &= \underline{\hspace{2cm}} \text{ min} + \underline{\hspace{2cm}} \text{ min} \\ &= \underline{\hspace{2cm}} \text{ min} \end{aligned}$$

$$\begin{aligned} \text{(c) } 3 \text{ h } 55 \text{ min} &= \underline{\hspace{2cm}} \text{ min} + \underline{\hspace{2cm}} \text{ min} \\ &= \underline{\hspace{2cm}} \text{ min} \end{aligned}$$

10. Give your answers in hours and minutes.

$$\begin{aligned} \text{(a) } 95 \text{ min} &= \underline{\hspace{2cm}} \text{ min} + \underline{\hspace{2cm}} \text{ min} \\ &= \underline{\hspace{2cm}} \text{ h } \underline{\hspace{2cm}} \text{ min} \end{aligned}$$

$$\begin{aligned} \text{(b) } 115 \text{ min} &= \underline{\hspace{2cm}} \text{ min} + \underline{\hspace{2cm}} \text{ min} \\ &= \underline{\hspace{2cm}} \text{ h } \underline{\hspace{2cm}} \text{ min} \end{aligned}$$

$$\begin{aligned} \text{(c) } 140 \text{ min} &= \underline{\hspace{2cm}} \text{ min} + \underline{\hspace{2cm}} \text{ min} \\ &= \underline{\hspace{2cm}} \text{ h } \underline{\hspace{2cm}} \text{ min} \end{aligned}$$

Exercise 2

1. Fill in the blanks with the correct answer.

$$\text{(a) } 1 \text{ h } 15 \text{ min} + 2 \text{ h } 30 \text{ min} = \underline{\hspace{2cm}} \text{ h } \underline{\hspace{2cm}} \text{ min}$$

$$\text{(b) } 2 \text{ h } 25 \text{ min} + 3 \text{ h} = \underline{\hspace{2cm}} \text{ h } \underline{\hspace{2cm}} \text{ min}$$

$$\text{(c) } 3 \text{ h } 5 \text{ min} + 1 \text{ h } 45 \text{ min} = \underline{\hspace{2cm}} \text{ h } \underline{\hspace{2cm}} \text{ min}$$

2. Fill in the blanks with the correct answer.

$$\text{(a) } 1 \text{ h } 30 \text{ min} + 50 \text{ min} = \underline{\hspace{2cm}} \text{ h } \underline{\hspace{2cm}} \text{ min}$$

(b) $2 \text{ h } 50 \text{ min} + 45 \text{ min} = \underline{\hspace{2cm}} \text{ h } \underline{\hspace{2cm}} \text{ min}$

(c) $4 \text{ h } 5 \text{ min} + 55 \text{ min} = \underline{\hspace{2cm}} \text{ h } \underline{\hspace{2cm}} \text{ min}$

3. Fill in the blanks with the correct answer.

(a) $1 \text{ h } 10 \text{ min} + 1 \text{ h } 55 \text{ min} = \underline{\hspace{2cm}} \text{ h } \underline{\hspace{2cm}} \text{ min}$

(b) $2 \text{ h } 40 \text{ min} + 3 \text{ h } 20 \text{ min} = \underline{\hspace{2cm}} \text{ h } \underline{\hspace{2cm}} \text{ min}$

(c) $4 \text{ h } 35 \text{ min} + 2 \text{ h } 45 \text{ min} = \underline{\hspace{2cm}} \text{ h } \underline{\hspace{2cm}} \text{ min}$

4. Fill in the blanks with the correct answer.

(a) $2 \text{ h } 50 \text{ min} - 1 \text{ h} = \underline{\hspace{2cm}} \text{ h } \underline{\hspace{2cm}} \text{ min}$

(b) $3 \text{ h } 45 \text{ min} - 2 \text{ h} = \underline{\hspace{2cm}} \text{ h } \underline{\hspace{2cm}} \text{ min}$

(c) $3 \text{ h } 20 \text{ min} - 1 \text{ h } 5 \text{ min} = \underline{\hspace{2cm}} \text{ h } \underline{\hspace{2cm}} \text{ min}$

5. Fill in the blanks with the correct answer.

(a) $1 \text{ h} - 50 \text{ min} = \underline{\hspace{2cm}} \text{ h } \underline{\hspace{2cm}} \text{ min}$

(b) $2 \text{ h} - 10 \text{ min} = \underline{\hspace{2cm}} \text{ h } \underline{\hspace{2cm}} \text{ min}$

(c) $3 \text{ h} - 45 \text{ min} = \underline{\hspace{2cm}} \text{ h } \underline{\hspace{2cm}} \text{ min}$

6. Fill in the blanks with the correct answer.

(a) $3 \text{ h } 10 \text{ min} - 1 \text{ h } 25 \text{ min} = \underline{\hspace{2cm}} \text{ h } \underline{\hspace{2cm}} \text{ min}$

(b) $5 \text{ h } 30 \text{ min} - 2 \text{ h } 50 \text{ min} = \underline{\hspace{2cm}} \text{ h } \underline{\hspace{2cm}} \text{ min}$

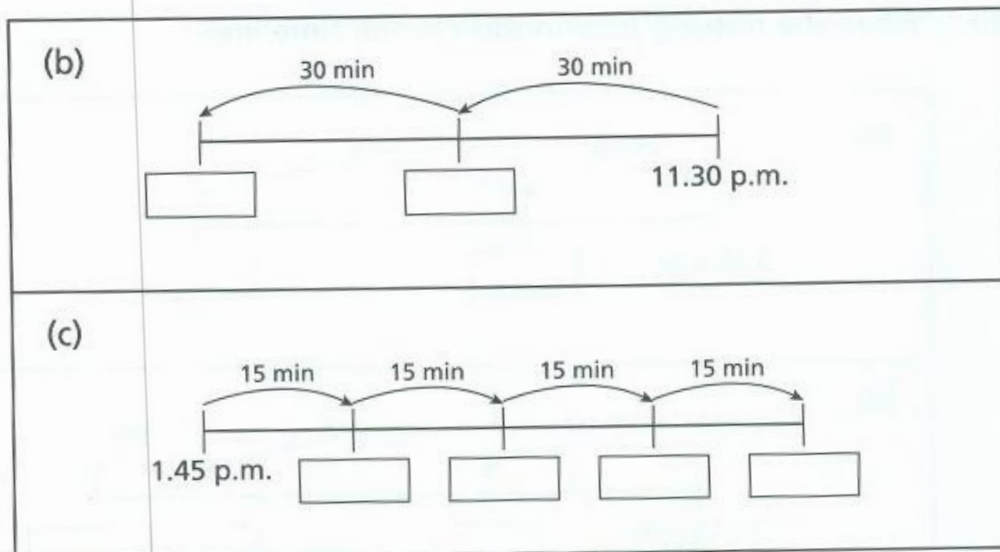
(c) $4 \text{ h } 5 \text{ min} - 1 \text{ h } 40 \text{ min} = \underline{\hspace{2cm}} \text{ h } \underline{\hspace{2cm}} \text{ min}$

7. Fill in the missing information in the time line.

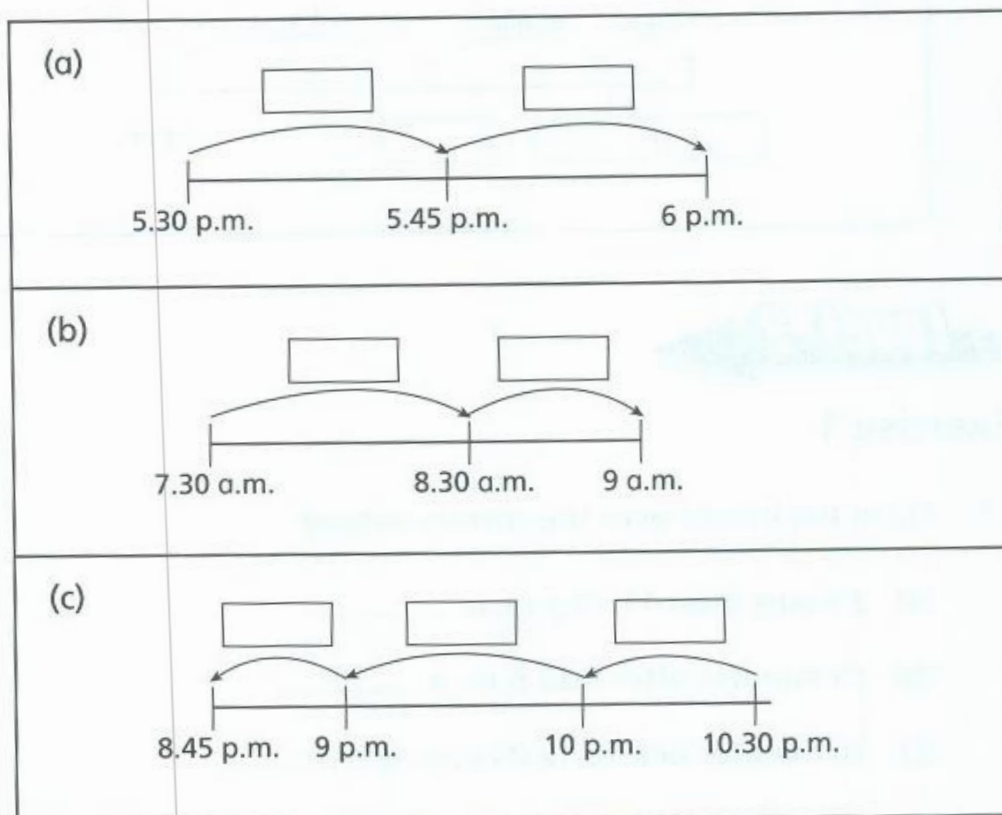
<p>(a)</p>
<p>(b)</p>
<p>(c)</p>

8. Fill in the missing information in the time line.

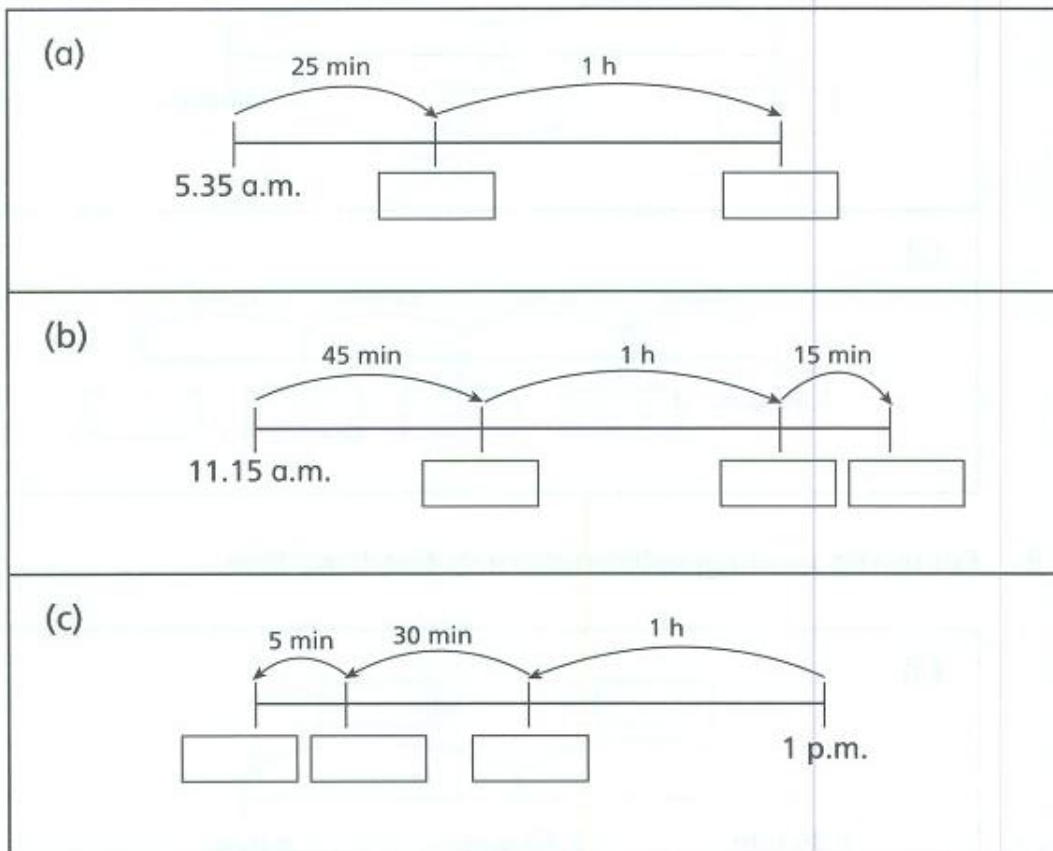
<p>(a)</p>



9. Fill in the missing information in the time line.



10. Fill in the missing information in the time line.



CHAPTER 11: TIME

**Exercise 1**

1. Fill in the blanks with the correct answer.
 - (a) 3 hours after 11.15 p.m. is _____.
 - (b) 15 minutes after 3.30 p.m. is _____.
 - (c) 10 minutes before 12.05 p.m. is _____.
 - (d) 1 hour before 1 a.m. is _____.

2. Fill in the blanks with the correct answer.

- (a) From 7 a.m. to 1 p.m., there are _____ hours.
- (b) From 6.45 a.m. to 11.45 a.m., there are _____ hours.
- (c) From 4.30 p.m. to 5.10 p.m., there are _____ minutes.
- (d) From 11.50 a.m. to 12.15 p.m., there are _____ minutes.

For each question, add information to the time line given to help you to work out the answers.

3. The pupils came to school for a National Day celebration. It started at 7.30 a.m. and ended at 10.15 a.m. How long did the celebration last?



4. The test will start at 8.40 a.m. It will last for 1 h 30 min. What time will the test end?



5. Ali boarded the bus at 5.45 a.m. He reached his school at 7.10 a.m. How long was his bus journey?



6. The cleaners started cleaning the hall at 11.40 a.m. They spent 45 minutes cleaning the hall. At what time did they finish cleaning the hall?



7. Hakim finished his tuition lesson at 3.40 p.m. The lesson lasted for 2 h 15 min. When did his tuition lesson start?



8. The pupils in the school band practised for 1 h 50 min. They ended their practice at 5.30 p.m. What time did they begin their practice?



9. Jeffery spent 35 min bathing. He came out of the bathroom at 8.05 p.m. At what time did he start bathing?



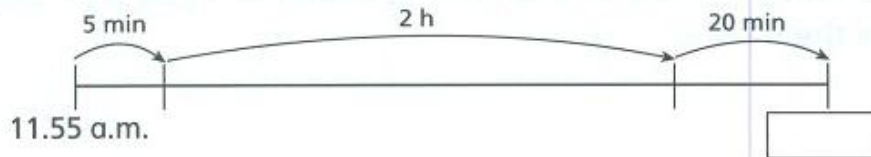
10. The movie started at 8.50 p.m. It ended at 11.05 p.m. How long was the movie?



Exercise 2

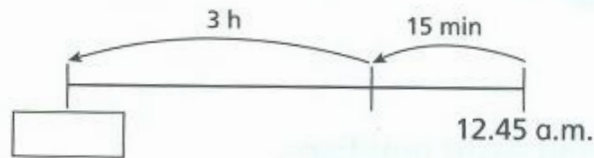
Choose the correct answer and write its number in the brackets provided.

- Zoe swam for 2 h 45 min. Express the time in minutes.
 (1) 105 min (2) 145 min
 (3) 165 min (4) 245 min ()
- The test will last for 150 min. Express the time in hours and minutes.
 (1) 2 h 50 min (2) 2 h 30 min
 (3) 1 h 50 min (4) 1 h 5 min ()
- The time is 11.30 p.m. now. What time will it be 45 minutes from now?
 (1) 10.45 a.m. (2) 12.15 a.m.
 (3) 10.45 p.m. (4) 12.15 p.m. ()
- The time is 9.10 a.m. now. What time was it 30 minutes ago?
 (1) 8.20 a.m. (2) 8.40 a.m.
 (3) 9.07 a.m. (4) 9.40 a.m. ()
- What is the missing time on the time line below?



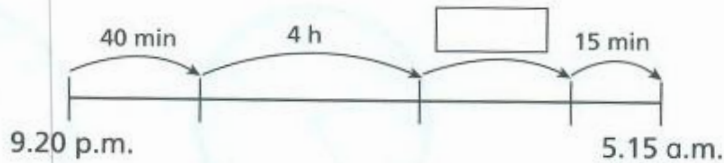
- 1.20 a.m. (2) 2.20 a.m.
 - 1.20 p.m. (4) 2.20 p.m. ()

6. What is the missing time on the time line below?



- (1) 3.30 a.m. (2) 9.30 a.m.
 (3) 3.30 p.m. (4) 9.30 p.m. ()

7. What is the missing time on the time line below?



- (1) 5 h (2) 2 h
 (3) 3 h (4) 4 h ()

8. Mr Lee drove his car into a car park at a shopping mall at 2.15 p.m. He drove his car out of the car park after 2 hours 50 minutes. What time did he drive his car out of the car park?

- (1) 11.25 a.m. (2) 2.50 p.m.
 (3) 5.05 p.m. (4) 11.25 p.m. ()

9. Julian alighted from a bus at 5.30 p.m. He boarded the bus at 3.05 p.m. How long was the bus ride?

- (1) 95 min (2) 145 min
 (3) 155 min (4) 225 min ()

10. Ms Lee took a flight home from Hong Kong. The plane flew for 3 hours 50 minutes before landing at Changi Airport at 10.10 p.m. At what time did the plane leave Hong Kong?

- (1) 6.20 p.m. (2) 6.40 p.m.
 (3) 7.40 p.m. (4) 7.20 a.m. ()

CHAPTER 11: TIME

Level 3**Exercise 1**

Solve the following word problems.

1. During a morning recess, Andy looked at his watch and then compared the time with the school clock. He realised that his watch was running slower than the school clock. How much slower is his watch?



Andy's watch



School clock

2. The clock is 45 minutes fast. What is the actual time if it is the evening now?



3. The clock shown is 15 minutes slow. What is the actual time if it is afternoon now?



4. Ivan works as a cashier at a restaurant. He is paid \$8 per hour. The chart below shows the number of hours he worked last week.

Day	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Number of hours	5	8	8	0	5	7	6

- (a) How many hours did he work last week?
(b) How much did he earn last week?

5. Edward watched a cartoon for 50 min. He then played computer games for 1 h 25 min. He stopped playing computer games at 9.05 p.m. At what time did he start watching the cartoon?



6. Bryan looked at his watch. It was 1.45 p.m. He played basketball for 1 h 25 min. After that, he went to the library to read a book. He left the library at 3.30 p.m. How long did he stay in the library?

7. Mr Jalil left his office at 6.15 p.m. and took 40 min to drive from his office to his home. He then took a shower for 15 min. After that, he watched a movie for 2 h 10 min. What time did he finish watching the movie?

8. Mrs Sarah was waiting for her daughter at the school gate. The school's clock showed 12.40 p.m. Mrs Sarah's watch was 15 minutes fast.

- (a) What was the time on Mrs Sarah's watch?
Show the time by drawing the hour and minute hand on Mrs Sarah's watch below.



Mrs Sarah's watch

- (b) Mrs Sarah waited 45 minutes for her daughter to come out of the school's gate. What time was it on Mrs Sarah's watch when her daughter came out of the gate? Show the time by drawing the hour and the minute hand on the watch below.



9. Kim left her home at 5.55 a.m. She spent 10 min walking from her home to the bus interchange. She waited 15 min for the bus. She boarded the bus and the bus journey to her school took 50 min. She needed to reach her school before 7.15 a.m. What time did Kim reach school? Was she late?



10. Mr Grove left Bangkok for Singapore at 4.30 a.m. Singapore time. The flight took 2 h 50 min. The journey from the airport to his office was 45 min. He was going to have an important meeting at 8 a.m. What time did he arrive at his office? Was he late?



Exercise 2

Read the text below and answer questions 1 to 5.

On a certain day, Mrs Chan asked her domestic helper to record the starting time and ending time of her 9-year-old son Charles' routine and activities in the afternoon.

Activity	Start time	End time
Shower	1.25 p.m.	1.40 p.m.
Lunch	1.40 p.m.	1.55 p.m.
Nap	1.55 p.m.	3.40 p.m.
Homework	3.40 p.m.	5.10 p.m.
Cycling	5.10 p.m.	5.55 p.m.
Television	5.55 p.m.	6.30 p.m.

1. (a) How long did Charles spend taking his shower?

(b) How long did Charles spend doing his homework?

2. How long did Charles spend cycling and watching television?

3. How much longer did Charles spend cycling than watching television?

4. Which activity took the longest time? How long was that activity?

5. Charles completed 9 Mathematics questions while doing his homework that day. If he had spent the same amount of time on each question, how many minutes did he take to complete 1 question?

Read the text below and answer questions 6 to 10.

The table below shows the flight information of a few flights on a certain day from Hong Kong to Singapore.

Flight number	Departure time from Hong Kong	Arrival time at Singapore
ABC 18	8.00 a.m.	11.40 a.m.
DEF 47	10.30 a.m.	2.10 p.m.
XYZ 65	2.15 p.m.	6 p.m.
JKL 23	8 p.m.	11.35 p.m.

6. What was the duration of flight DEF 47?

7. Which flight took the shortest time? How long was the flight?

8. Which flight took the longest time? How long was the flight?

Flight	Departure Time	Arrival Time	Duration
ABC 12	10:00 a.m.	11:30 a.m.	1 hour 30 minutes
DEF 34	12:00 p.m.	1:45 p.m.	1 hour 45 minutes
GHI 56	2:00 p.m.	3:30 p.m.	1 hour 30 minutes

9. Find the difference in minutes between the duration of the longest flight and the shortest flight.

10. Mr Lin took a morning flight to Hong Kong for a meeting and reached its airport at 8.45 a.m. He intends to take the flight JKL 23 to return to Singapore at night. How long is his stay in Hong Kong?