

## Chapter 9: Time

### Level 1

#### Exercise 1

1. Fill in the missing numbers.

(a) 1 min = \_\_\_\_\_ s

(b) 2 min = \_\_\_\_\_ s

(c) 5 min = \_\_\_\_\_ s

(d) 10 min = \_\_\_\_\_ s

(e) 1 h = \_\_\_\_\_ s

(f)  $\frac{1}{2}$  h = \_\_\_\_\_ min = \_\_\_\_\_ s

2. Fill in the missing numbers.

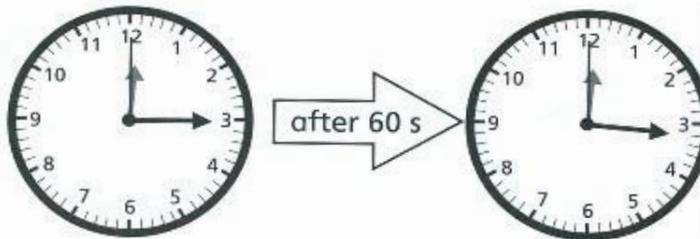
(a) 60 s = \_\_\_\_\_ min

(b) 120 s = \_\_\_\_\_ min

(c) 180 s = \_\_\_\_\_ min

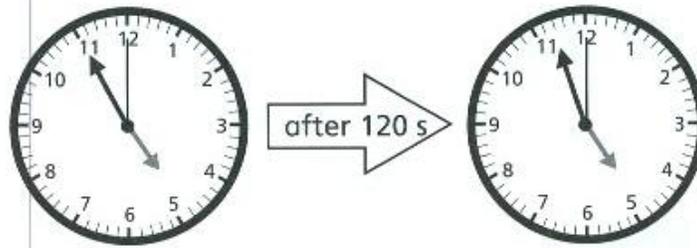
(d) 240 s = \_\_\_\_\_ min

3. The clock shows 12.15.



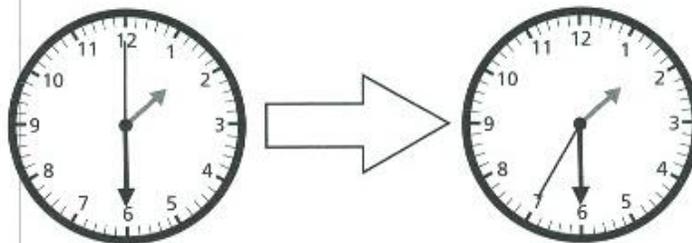
After 60 s, the time is \_\_\_\_\_.

4. The clock shows 4.55.



After 120 s, the time is \_\_\_\_\_.

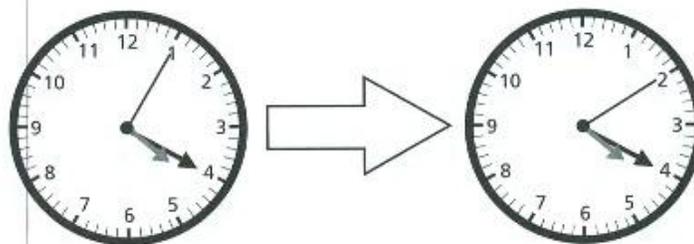
5. Fill in the missing number.



1.30

\_\_\_\_\_ s later

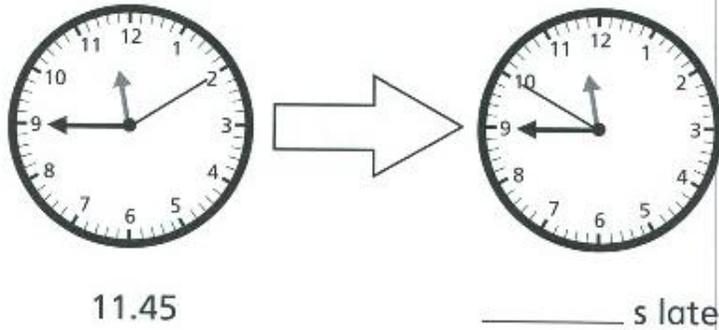
6. Fill in the missing number.



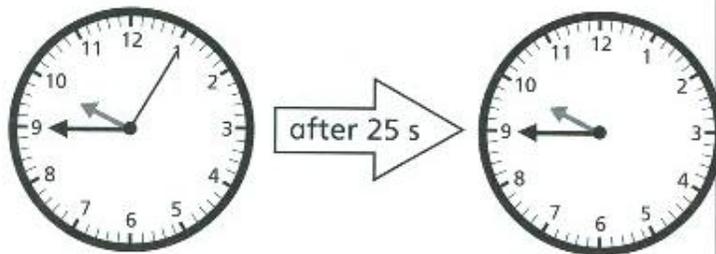
5.20

\_\_\_\_\_ s later

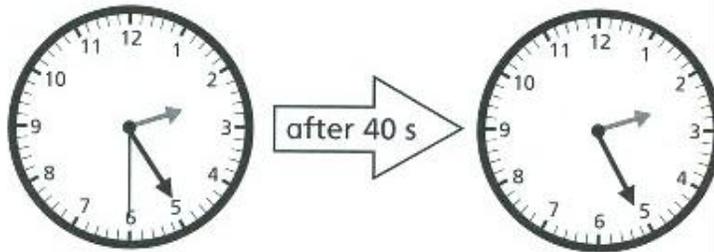
7. Fill in the missing number.



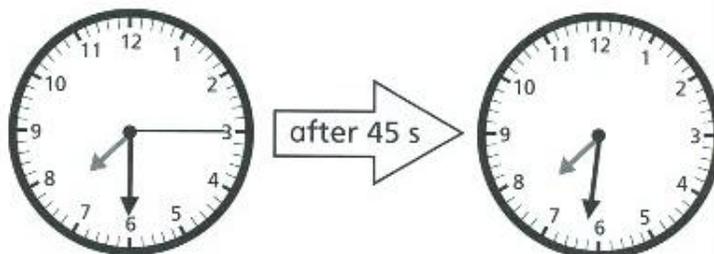
8. Draw the missing second hand.



9. Draw the missing second hand.



10. Draw the missing second hand.



### Exercise 2

1. Express the following times using the 24-hour clock.

(a) 5.15 a.m. : \_\_\_\_\_ (b) 2.40 p.m. : \_\_\_\_\_

(c) 11.05 p.m. : \_\_\_\_\_ (d) 7.55 a.m. : \_\_\_\_\_

(e) 3.30 p.m. : \_\_\_\_\_ (f) 12.20 a.m. : \_\_\_\_\_

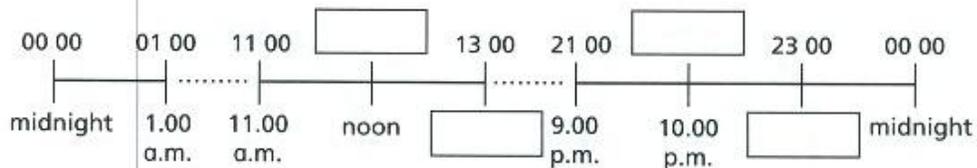
2. Express the following times using the 12-hour clock.

(a) 19 25 : \_\_\_\_\_ (b) 03 10 : \_\_\_\_\_

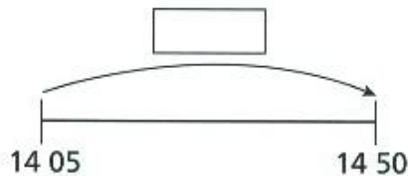
(c) 22 45 : \_\_\_\_\_ (d) 13 50 : \_\_\_\_\_

(e) 09 35 : \_\_\_\_\_ (f) 18 05 : \_\_\_\_\_

3. Fill in the missing times.

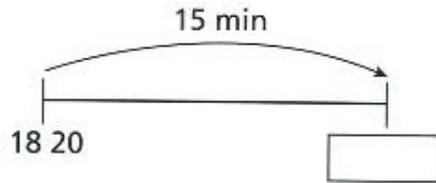


4. Jason's remedial class started at 14 05. The class ended at 14 50. How long was his remedial class?



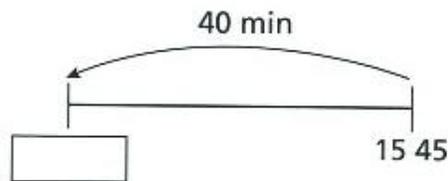
His remedial class lasted \_\_\_\_\_ minutes.

5. Mary started jogging at 18 20. She jogged for 15 minutes. At what time did she stop jogging?



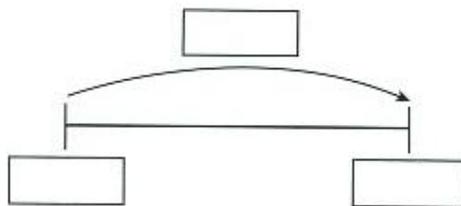
She stopped jogging at \_\_\_\_\_.

6. The movie at the Omni Theatre lasted for 40 min. It ended at 15 45. At what time did the show begin?



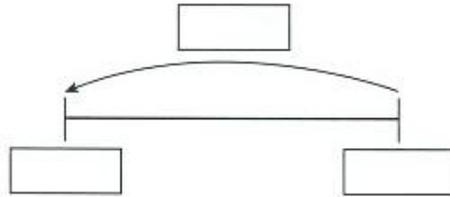
The show began at \_\_\_\_\_.

7. Gary alighted from the bus at 13 35. He boarded the bus at 13 15. How long was the bus trip?



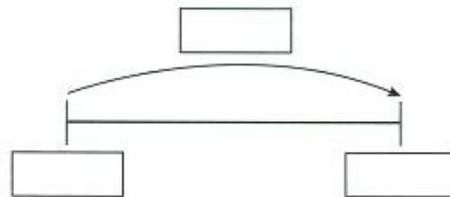
The bus trip lasted \_\_\_\_\_ minutes.

8. The baker put the cake into the oven for 25 minutes. He took it out at 11 30. At what time did he put the cake into the oven?



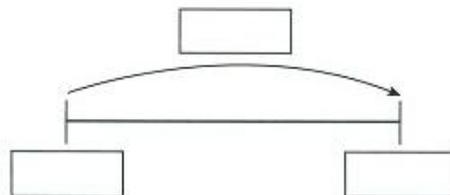
He put the cake into the oven at \_\_\_\_\_.

9. Kyron boarded the train at Bishan station at 20 25. 25 minutes later, the train reached his destination, Woodlands station. At what time did he reach Woodlands station?



He reached Woodlands station at \_\_\_\_\_.

10. Issac started drawing at 09 10. He completed his drawing at 09 45. How long did he take to complete his drawing?

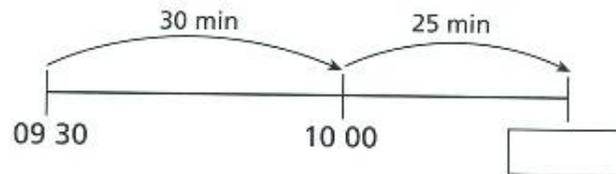


He took \_\_\_\_\_ minutes to complete his drawing.

**Level 2**

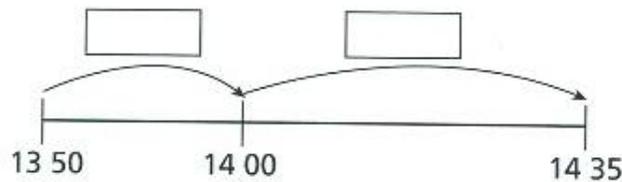
**Exercise 1**

- Jay started watching TV at 09 30. He watched TV for 55 minutes. At what time did he finish watching TV?



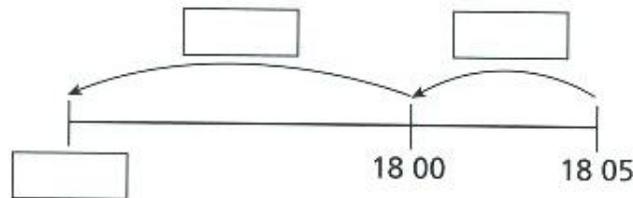
He finished watching TV at \_\_\_\_\_.

- Bryan left his home to walk to the bus stop. He reached there at 13 50. However, due to traffic congestion, the bus only arrived at 14 35. How long did Bryan wait for the bus?



Bryan waited for \_\_\_\_\_ minutes.

- Chin Lee's gymnastic lesson ended at 18 05. It lasted for 50 minutes. At what time did the gymnastic lesson start?



Her gymnastic lesson started at \_\_\_\_\_.

4. The rain started to pour at 06 20. It ended at 07 05. How long did the rain last?

The rain lasted for \_\_\_\_\_ minutes.

5. The train left Clementi station at 11 40. It reached Bugis station after 35 minutes. At what time did it reach Bugis station?

It reached Bugis station at \_\_\_\_\_.

6. The soldiers took 55 minutes to finish digging a trench in the ground. They finished digging at 23 15. At what time did they start digging the trench?

They started digging at \_\_\_\_\_.

7. Bob talked on his phone for 25 minutes. He finished his conversation at 15 05. At what time did he start talking on his phone?

He started talking on the phone at \_\_\_\_\_.

8. The car alarm was set off by the car thief at 01 15. It was switched off by the policemen at 02 05. How long was the alarm switched on?

The alarm was switched on for \_\_\_\_\_ minutes.

9. The navy commander announced: "The ballistic missile was fired from the missile corvette at 06 51 exactly. It reached its target in the Pacific Ocean at 07 17 and destroyed it completely." How long was the missile's journey?

The missile's journey lasted for \_\_\_\_\_ minutes.

10. The newspaper article read: "The planes from the enemy's aircraft carriers left their ships at exactly 06 28. After flying for 36 minutes, it reached our city. Just as the people were waking up and getting ready to start their day, the city was bombed and many people lost their lives." At what time did the enemy planes reached our city?

The enemy planes reached our city at \_\_\_\_\_.

## Exercise 2

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

1. Which of the following activities can be done in 1 s?
- (1) Nod your head ten times
  - (2) Walk 1 km
  - (3) Sing the national anthem
  - (4) Say 'I love Maths'

(      )

Hakim made a list of his after-school activities on a normal weekday. The list is shown below. Use it to answer questions 2 to 6.

Activity	From	To
Take a shower	13 30	13 40
Eat lunch with his mother	13 40	14 05
Take a short nap	14 05	15 25
Do school homework	15 25	16 15
Go cycling and rollerblading	16 15	17 30
Help his mother to cook dinner	17 30	18 25
Eat dinner with his family	18 25	19 05
Watch TV	19 05	20 15

2. Which of the following activities was the longest?  
 (1) Take a short nap  
 (2) Do school homework  
 (3) Go cycling and rollerblading  
 (4) Watch TV ( )
3. Which of the following activities was the shortest?  
 (1) Eat dinner with his family  
 (2) Eat lunch with his mother  
 (3) Help his mother to cook dinner  
 (4) Take a shower ( )
4. How many activities took longer than one hour?  
 (1) 5 (2) 6  
 (3) 3 (4) 4 ( )
5. At 20 15, Hakim pleaded with his mother to allow him to watch TV for another one hour and his mother agreed. So, how long did Hakim watch TV on that day?  
 (1) 1 h 10 min (2) 1 h 15 min  
 (3) 2 h 10 min (4) 2 h 15 min ( )

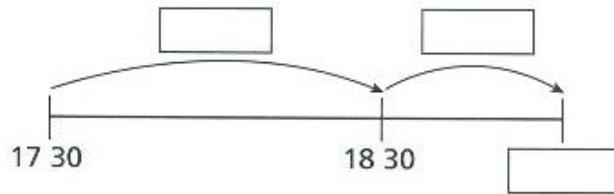


10. A train left town A and reached town B at 02 10 on the next day. The journey took 2 h 15 min. At what time did the train leave town A?
- (1) 4.25 a.m.                      (2) 11.55 a.m.  
(3) 11.05 p.m.                    (4) 11.55 p.m.                    (       )

## Level 3

### Exercise 1

1. Mabel started cycling at 17 30. She cycled for 1 h 20 min. At what time did she finish cycling?



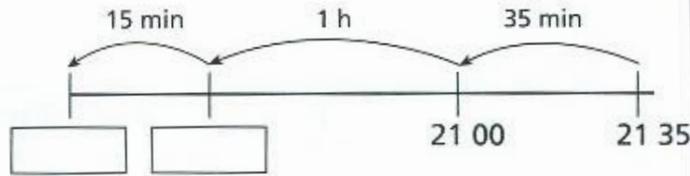
She finished cycling at \_\_\_\_\_.

2. Bernard boarded the train at Joo Koon station at 07 05. He alighted at Bugis station at 08 15. How long was his train trip?

From	To	Time taken
07 05	08 00	
08 00	08 15	
Total time taken		

His train trip lasted for \_\_\_\_\_ h \_\_\_\_\_ min.

3. The movie at the cinema ended at 21 35. It lasted 1 h 50 min. At what time did the movie start?



The movie started at \_\_\_\_\_.

4. The performance by the orchestra at the park started at 17 55. It ended at 19 05. How long was the performance by the orchestra?

From	To	Time taken
17 55	18 00	
18 00	19 00	
19 00	19 05	
Total time taken		

The performance by the orchestra was \_\_\_\_\_ h \_\_\_\_\_ min long.

5. The mooncake festival celebration in the school ended at 20 15. It lasted for 2 h 45 min. At what time did the celebration start?

The celebration started at \_\_\_\_\_.

6. Pauline attended a Christmas Eve Party. After the party, Pauline travelled back to her home at Katong. She boarded a bus at Orchard Road at 22 40. She reached home at 00 45. How long did she take to reach home?

From	To	Time taken
Total time taken		

She took \_\_\_\_\_ h \_\_\_\_\_ min to reach home.

7. Jason wants to see the sunrise at the beach at 06 50. If he cycles from his home to the beach, the journey will take 1 h 15 min. What is the time that he should leave his home?

He should leave his home by \_\_\_\_\_.

8. Mr Wong's flight left Changi Airport at 11 40. It arrived at Hong Kong 3 h 15 later. At what time did his flight arrive at Hong Kong?

His flight arrived at Hong Kong at \_\_\_\_\_.

9. Mr Howard wants to drive his car from his Jurong Island office to Changi Airport. He needs to reach the airport before 19 20. He estimated that the journey should take 1 h 45 min. What is the time that he should leave his office?

He should leave his office by \_\_\_\_\_.

10. Mr Ahmad drove his car from his Singapore home to a friend's house in Kuala Lumpur. He left his home at 21 45. He arrived at his friend's house at 03 10 the next day. How long was his journey?

His journey lasted \_\_\_\_\_ h \_\_\_\_\_ min.

## Exercise 2

1. Fill in the missing information.

From	To	Time taken
07 30	08 15	
08 15		1 h 30 min
	10 30	45 min
10 30		2 h 35 min

2. Fill in the missing information.

From	To	Time taken
	14 00	1 h 50 min
14 00		1 h 25 min
	16 10	45 min
16 10	18 55	
18 55		2 h 5 min

3. It was morning. Mdm Nora looked at the clock before she left the house for the market. The time shown on the clock was as below:



After buying groceries at the market, she returned home and looked at the time again. It was as below:



How long was she away from her home?

4. Zachary usually takes a bus from his home to his school. If he leaves his home at 06 05, he will reach school at 07 20. Now, a new MRT line has opened and he can take the train directly from his home to his school instead. This will shorten his journey by 35 minutes.
- How long does he take to go to school by bus?
  - How long does he take if he go to school by the new MRT line?
  - If he wants to reach school at the same time, what time should he leave his home now?

The table below shows the daily departure times of various long distance buses from a bus terminal and their arrival times at various towns and resorts in a certain country.

Use it to answer questions 5 to 10.

Bus number	Destination	Departure time from bus terminal	Expected arrival time at destination
12	Town A	08 45	11 05
37	Town B	09 30	11 25
26	Resort C	11 15	12 50
88	Town D	15 35	19 10
54	Resort E	16 20	19 25

5. How long is the journey from the bus terminal to town D?

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6. Which bus number's journey is the longest?

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7. Which bus number's journey is the shortest?

8. Mr Jamil's family took bus number 26 to resort C. But due to bad weather, the trip was delayed by 1 h 30 minutes. At what time did his family finally reach resort C?

9. Bus number 54 also brings some passengers from resort E back to the bus terminal. If the return journey takes the same duration and the bus departs from resort E at 11 45, at what time will it reach the bus terminal?

10. On a certain day, bus number 12 breaks down halfway through the journey. A second bus number 12 is dispatched from the bus terminal at 10 10 to pick up the stranded passengers. If the second bus takes the same amount of time for the journey, at what time will the second bus reach town A with the passengers from the broken-down bus, ignoring the time taken for the passengers to board the second bus?