



**E-book Code:  
REAU0061**



For Ages 11 - 13

# The Time Book 3

Activities related to telling  
the time.

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# Introduction

The learning of concepts related to TIME is an important stage in the mathematical development of young children.

This book allows 11 to 13 year old students to be introduced to, or reminded about, these concepts. It adopts a structured and systematic approach which allows plenty of consolidation of the skills being covered.

Through exposure to these pages children will develop their skills in areas such as:

- Time to the nearest minute.
- Digital time.
- Stopwatch activities.
- Passing of time.
- The 24 hour clock.
- Calendar work.
- Using timetables.
- Time zones and world times.
- Research on time.
- The technology of time.

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# Time To Nearest Minute - Information page

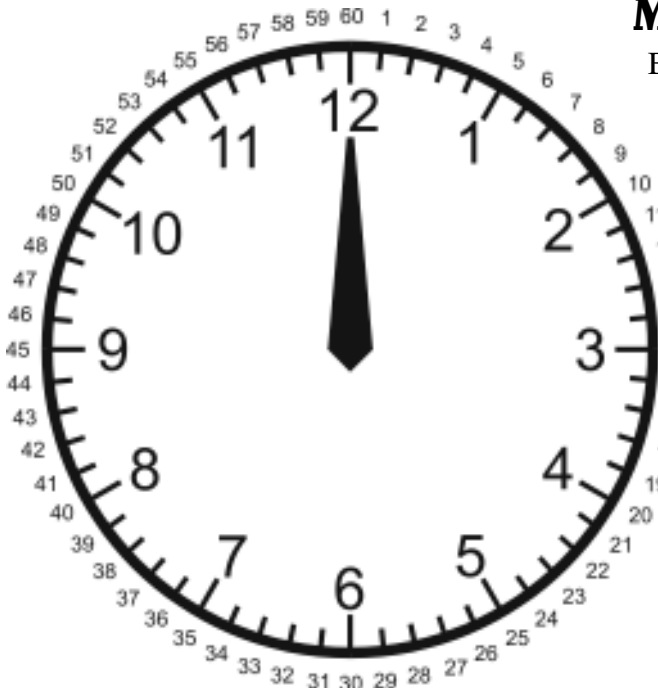
## Minute Hand

Between each number on the clock face there are five minutes. The minute hand shows each of these minutes as it moves past each number.

E.g. 1 represents five minutes past;  
4 represents twenty minutes past.

The minutes between the numbers are also read.

E.g. the clock below shows 12:17.  
17 means seventeen minutes past the hour. The hour hand is read by the actual number it is pointing to or has last passed.



Sample



## Examples

The hour hand is between the one and the two and has passed one.  
The minute hand is pointing to the minutes between the six and seven.  
Remember: the 6 represents thirty minutes ( $6 \times 5 = 30$ )  
and 7 represents thirty-five minutes ( $7 \times 5 = 35$ ).

The minute hand is two minutes past thirty minutes,  
i.e. thirty-two minutes past.  
Therefore the correct time on the clock is 1:32.

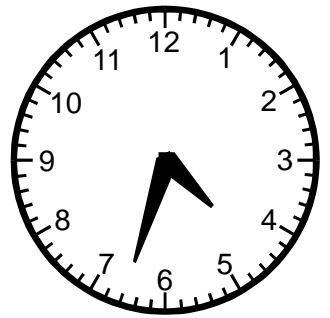
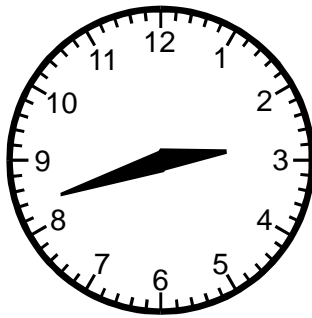
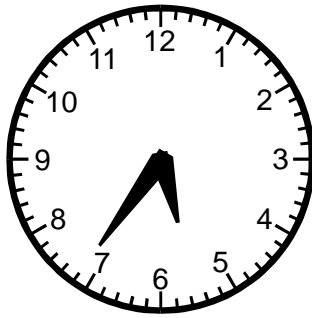
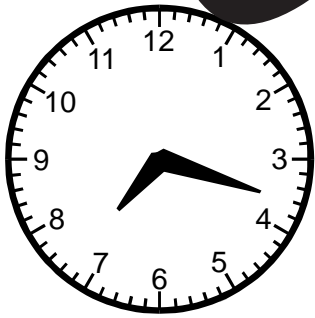
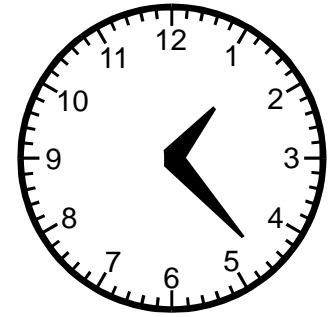
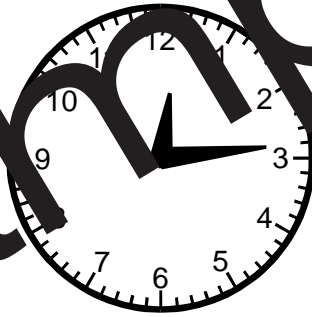
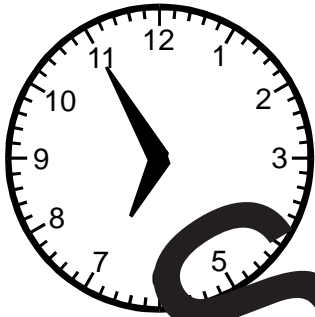
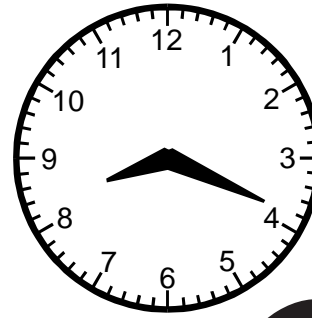
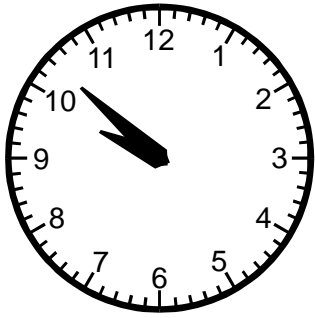
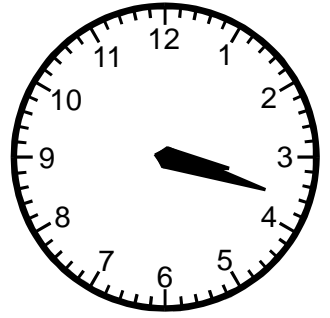
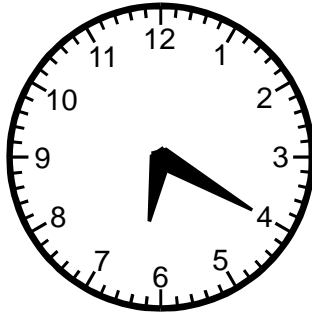
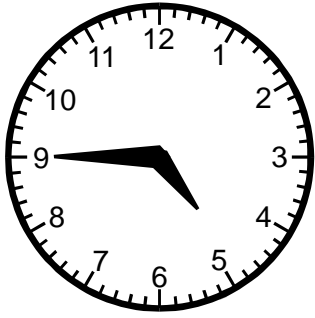
The hour hand is between seven and eight and has passed seven.  
The minute hand is between fifty minutes and fifty-five minutes.  
It is pointing to fifty-four minutes. Therefore the time on the clock is 7:54.



Name: .....

# Time To Nearest Minute - 1

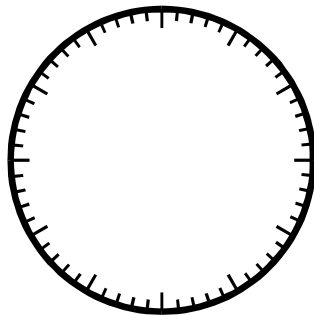
What time are these clocks showing?



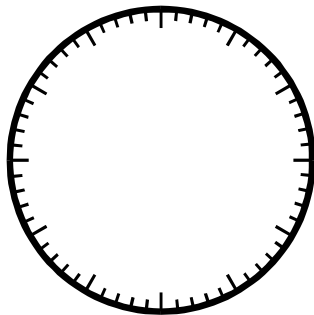
Name: .....

# Digital Time

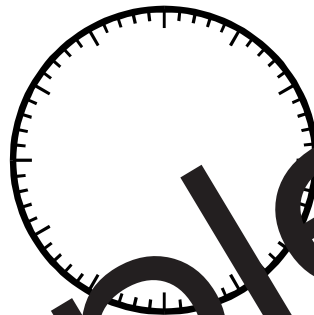
Show these digital times on the clockfaces below.



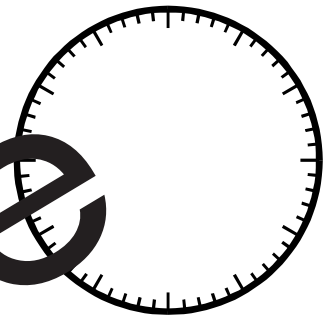
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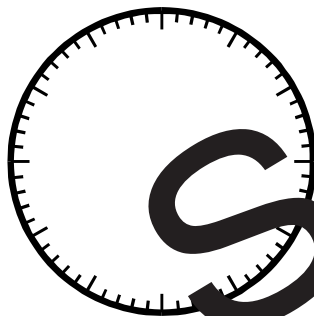
5:18



7:42



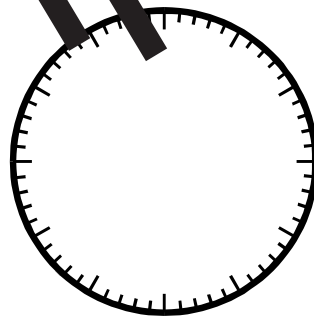
10:45



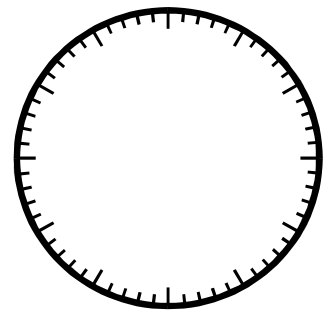
12:06



2:35

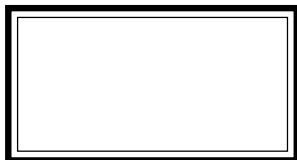


11:19



6:11

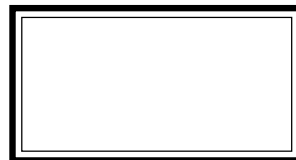
Use the digital clocks to show the times you might be ...



Eating breakfast



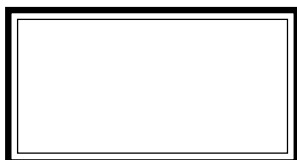
Going to school



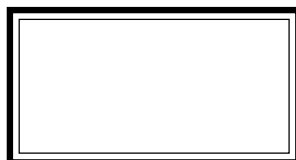
Doing maths



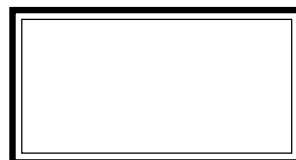
Having lunch



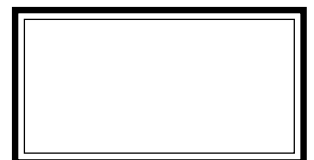
Going home from school



Having dinner



Watching TV

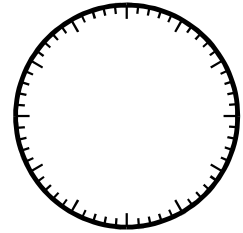
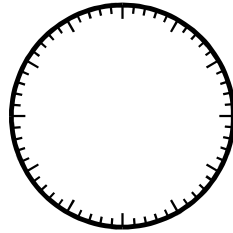
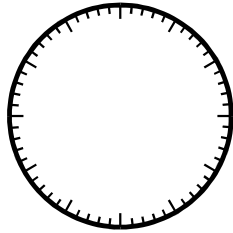
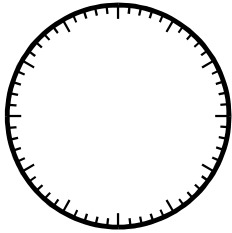
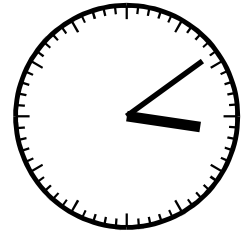
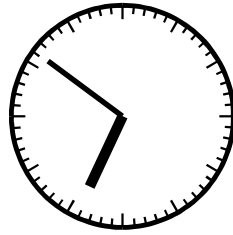
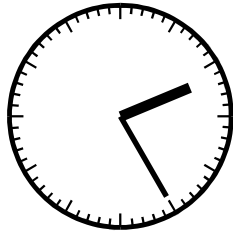
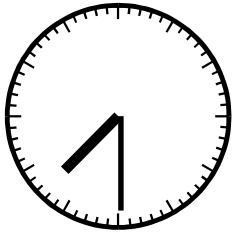


Going to bed

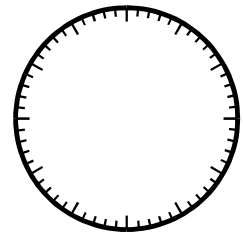
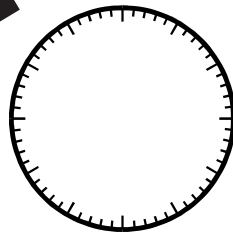
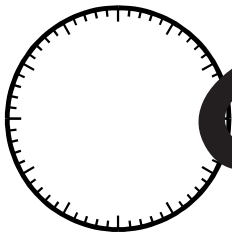
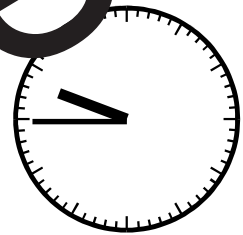
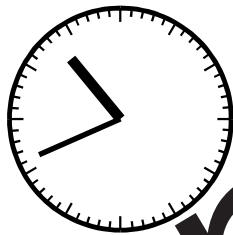
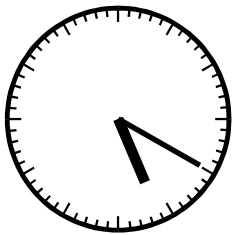
Name: .....

# Changing Times - 3

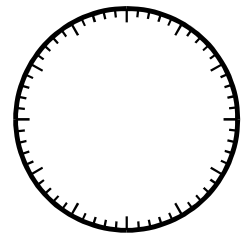
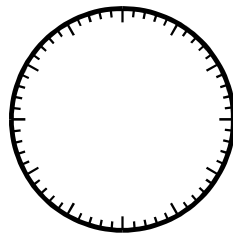
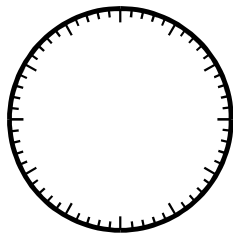
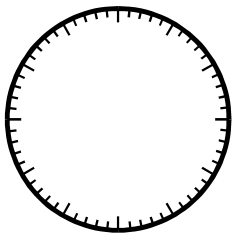
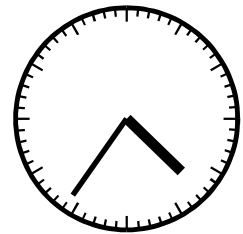
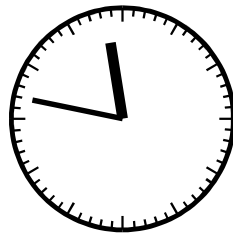
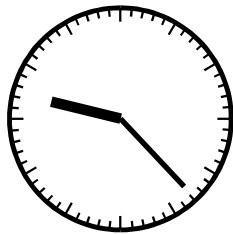
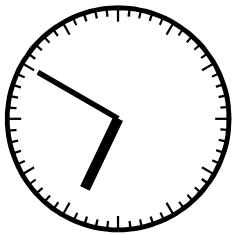
Make these clocks half an hour later.



Make these clocks half an hour earlier.



Make these clocks fifteen minutes later.



# Train Timetables

Use the timetable to answer the questions on the next page. (Times start from am)

## Weekdays to Chester

Cranville	Dandalough	Chester	Cranville	Dandalough	Chester
5:30	5:33	5:39	12:48	12:51	12:57
5:45	5:48	5:54	12:53	12:56	1:02
6:00	6:03	6:09	1:03	1:06	1:12
6:07	6:10	6:16	1:08	1:11	1:17
6:15	6:18	6:24	1:18	1:21	1:27
6:22	6:25	6:31	1:23	1:26	1:32
6:30	6:33	6:39	1:33	1:36	1:42
6:37	6:40	6:46	1:38	1:41	1:47
6:45	6:48	6:54	1:48	1:51	1:57
6:52	6:55	7:01	1:53	1:56	2:02
7:00	7:03	7:09	2:03	2:06	2:12
7:07	7:10	7:16	2:08	2:11	2:17
7:20	7:23	7:29	2:18	2:21	2:27
7:28	7:31	7:37	2:23	2:26	2:32
7:36	7:39	7:45	2:33	2:36	2:42
7:44	7:47	7:53	2:38	2:41	2:47
7:52	7:55	8:01	2:48	2:51	2:57
8:00	8:03	8:09	2:53	2:56	3:02
8:08	8:11	8:17	3:03	3:06	3:12
8:16	8:19	8:25	3:08	3:11	3:17
8:24	8:27	8:33	3:18	3:21	3:27
8:32	8:35	8:41	3:22	3:25	3:31
8:40	8:43	8:49	3:33	3:36	3:42
8:48	8:51	8:57	3:38	3:41	3:47
8:53	8:56	9:02	3:53	3:56	4:00
8:58	9:01	9:07	4:09	4:12	4:17
9:03	9:06	9:12	4:22	4:25	4:30
9:08	9:11	9:17	4:30	4:33	4:39
9:18	9:21	9:27	4:38	4:41	4:47
9:23	9:26	9:32	4:46	4:49	4:55
9:33	9:36	9:42	4:54	4:57	5:03
9:38	9:41	9:47	5:02	5:05	5:11
9:48	9:51	9:57	5:10	5:13	5:19
9:53	9:56	10:02	5:18	5:21	5:27
10:03	10:06	10:12	5:26	5:29	5:35
10:08	10:11	10:17	5:34	5:37	5:43
10:18	10:21	10:27	5:42	5:45	5:51
10:23	10:26	10:32	5:47	5:50	5:56
10:33	10:36	10:42	5:55	5:58	6:04
10:38	10:41	10:47	6:03	6:06	6:12
10:48	10:51	10:57	6:18	6:21	6:27
10:53	10:56	11:02	6:33	6:36	6:42
11:03	11:06	11:12	6:48	6:51	6:57
11:08	11:11	11:17	7:03	7:06	7:12
11:18	11:21	11:27	7:18	7:21	7:27
11:23	11:26	11:32	7:34	7:37	7:43
11:33	11:36	11:42	7:48	7:51	7:57
11:38	11:41	11:47	8:18	8:21	8:27
11:48	11:51	11:57	8:48	8:51	8:57
11:53	11:56	12:02	9:18	9:21	9:27
12:03	12:06	12:12	9:48	9:51	9:57
12:08	12:11	12:17	10:18	10:21	10:27
12:18	12:21	12:27	10:48	10:51	10:57
12:23	12:26	12:32	11:18	11:21	11:27
12:33	12:36	12:42	11:48	11:51	11:57
12:38	12:41	12:47	12:18	12:21	12:27

## Weekdays from Chester

Chester	Dandalough	Cranville	Chester	Dandalough	Cranville
5:21	5:27	5:30	1:08	1:14	1:17
5:36	5:42	5:45	1:15	1:21	1:24
5:51	5:57	6:00	1:23	1:29	1:32
6:06	6:12	6:15	1:30	1:36	1:39
6:14	6:20	6:23	1:38	1:44	1:47
6:21	6:27	6:30	1:45	1:51	1:54
6:29	6:35	6:38	1:53	1:59	2:02
6:36	6:42	6:45	2:00	2:06	2:09
6:44	6:50	6:53	2:08	2:14	2:17
6:51	6:57	7:00	2:15	2:21	2:24
6:59	7:05	7:08	2:23	2:29	2:32
7:11	7:17	7:20	2:30	2:36	2:39
7:21	7:27	7:30	2:38	2:44	2:47
7:35	7:41	7:44	2:45	2:51	2:54
7:43	7:49	7:52	2:52	2:58	3:01
7:52	7:58	8:01	3:00	3:06	3:09
7:59	8:05	8:08	3:08	3:14	3:17
8:07	8:13	8:16	3:15	3:21	3:24
8:20	8:26	8:29	3:23	3:29	3:32
8:30	8:36	8:39	3:30	3:36	3:39
8:38	8:44	8:47	3:36	3:42	3:45
8:46	8:52	8:55	3:43	3:49	3:52
8:53	8:59	9:02	3:50	3:56	3:59
9:00	9:06	9:09	4:04	4:10	4:13
9:08	9:14	9:17	4:12	4:18	4:21
9:15	9:21	9:24	4:20	4:26	4:29
9:23	9:29	9:32	4:28	4:34	4:37
9:30	9:36	9:39	4:36	4:42	4:45
9:38	9:44	9:47	4:44	4:50	4:53
9:45	9:51	9:54	4:52	4:58	5:01
9:53	9:59	10:02	5:00	5:06	5:09
10:00	10:06	10:09	5:08	5:14	5:17
10:08	10:14	10:17	5:16	5:22	5:25
10:15	10:21	10:24	5:24	5:30	5:33
10:23	10:29	10:32	5:32	5:38	5:41
10:30	10:36	10:39	5:40	5:46	5:49
10:38	10:44	10:47	5:48	5:54	5:57
10:45	10:51	10:54	6:00	6:06	6:09
10:53	10:59	11:02	6:15	6:21	6:24
11:00	11:06	11:09	6:30	6:36	6:39
11:08	11:14	11:17	6:46	6:52	6:55
11:15	11:21	11:24	7:00	7:06	7:09
11:23	11:29	11:32	7:30	7:36	7:39
11:30	11:36	11:39	8:00	8:06	8:09
11:38	11:44	11:47	8:30	8:36	8:39
11:45	11:51	11:54	9:00	9:06	9:09
11:53	11:59	12:02	9:30	9:36	9:39
12:00	12:06	12:09	10:00	10:06	10:09
12:08	12:14	12:17	10:30	10:36	10:39
12:15	12:21	12:24	11:00	11:06	11:09
12:23	12:29	12:32	11:30	11:36	11:39
12:30	12:36	12:39	12:00	12:06	12:09
12:38	12:44	12:47			
12:45	12:51	12:5			
12:53	12:59	1:02			
1:00	1:06	1:09			



Name: .....

# Train Timetable

Answer these questions using the train timetable.

**At what time does:**

1. The first train leave Cranville for Chester? .....
2. The first train leave Dandalough for Chester? .....
3. The last train leave Dandalough for Chester? .....
4. The last train leave Dandalough for Cranville? .....
5. How long does it take to travel from Cranville to Dandalough? .....

**Approximate answers will do for these.**

1. How often does the train run from Cranville to Chester in the early morning? .....
2. How often do trains run in the morning peak hour (7:30 - 8:30 am)? .....
3. How often do trains run from Chester to Cranville between 9:00 am - 12:00 noon? .....
4. If you live in Cranville and needed to get home from Chester by 11:30 am, what is the latest time you would have to catch the train? .....
5. If you were travelling from Dandalough to Chester, which train would you catch to be in Chester by 10 am? .....
6. If you finished work in Chester at 5:30 pm and had a ten minute walk to the station, which train would you catch home? .....
7. If you lived five minutes from Cranville station and you had a ten minute walk from Chester station to work, which train would you need to catch to get to work by 9:00 am? .....

