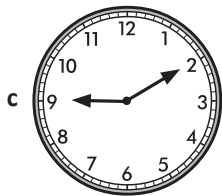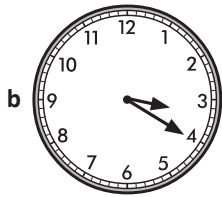# Mathletics

Time

Series E – Time

Contents

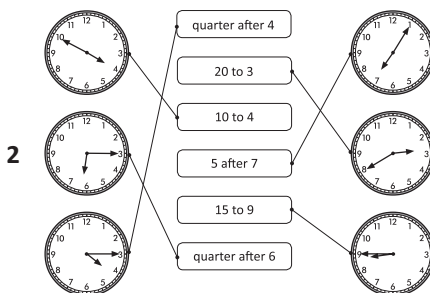Series Author:

Nicola Herringer

Series E – Time

Page 1

1a 20

  b 10

  c 10

  d 20

  e 35

  f 25

2

3a

  b

  c
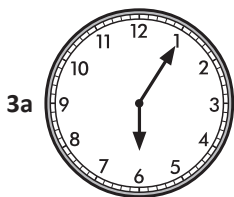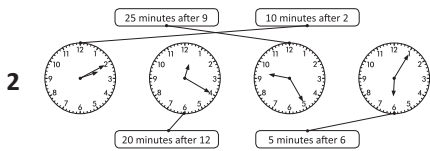
Page 2

1a 10; 9

  b 20; 8

  c 5; 5

  d 25; 10

2

Page 3

1a 23; 4

  b 17; 7

  c 2; 10

  d 19 minutes to 11

  e 8 minutes past 1

  f 26 minutes to 5

2a

  b

  c

  d

  e

  f
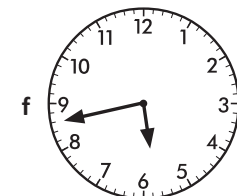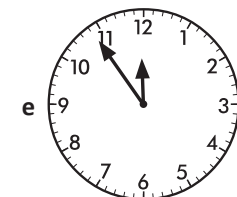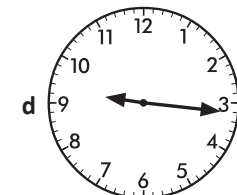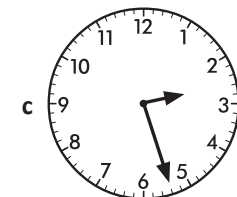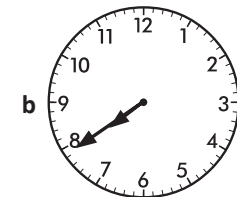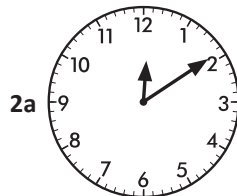
Pages 4–5

1a 49; 3

  b 8; 5

  c 48; 2

  d 36; 4

2a 09:30

  b 01:20

  c 04:10

  d 0 6:15

3a 9 minutes after 6

  b three forty two; 42 minutes after 3

  c four twenty five; 25 minutes after 4

  d seven forty eight; 48 minutes after 7

4a 10

  b 20

  c 25

  d 15

  e 5

  f 10

5b 06:46; 14, 7

  c 12:37; 23, 1

  d 04:36; 24, 5

6a 02:44

  b 07:40

  c 09:35

  d 07:43

Pages 6–8

1 8:35 am   13:00   21:30   6:15 pm

    14:22   01:18 8:00 pm 9:04 pm

2a 4:00 am

  b 3:00 pm

  c 1:30 pm

  d 4:05 pm

  e 9:20 am

  f 8:25 am

3a 09:00

  b 22:00

  c 07:30

  d 14:15

  e 05:35

  f 19:25

4 5:30 pm

Series E – Time

Pages 6–8

5

Program	Start	Finish	Length
Science Show	09:00	10:00	1 hour
Behind the News	10:00	11:00	1 hour
Movie: Solaris	14:30	16:00	$1\frac{1}{2}$ hour
4 pm News	16:00	17:00	1 hour
Smartline	17:00	18:00	1 hour
Movie: Chinatown	20:00	21:45	$1\frac{3}{4}$ hour

6a 1 hour 45 minutes

b 8 hour 15 minutes

c 1 hour 45 minutes

Page 9

What to do

Observe students.

What to do next

Observe students.

Page 10

a 7:00

b 9:00 or 9:30

c 11:00

d 12:30

e 4:00

f 9:00 or 9:30

Page 11

1a am

b pm

c am

2a 3:10; am

b 8:45; pm

c 1:40; am

d 1:18; pm

e 11:53; pm

3a 11:52 am

b 5:15 pm

3c 1:30 pm

d 3:42 pm

e 1:15 pm

f 12:48 am

4a 3

b 6

c 4

d 10

Page 12

1a 14

b 366

c 2

2a 2

b 48

c 3

d 168

3a 2, 0

b 2, 30

c 3, 20

d 1, 25

4

Pages 13–14

1a 2:50; 3:05; 3:10; 3:15

b 5:39; 5:59; 6:09; 6:19

c 10:10; 10:25; 10:40; 10:55; 11:10

2a

2b
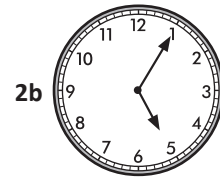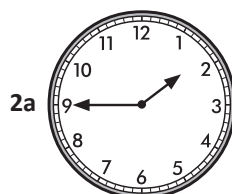
3 2 hours 25minutes

4a

8:25 pm

b

5:50 pm

c
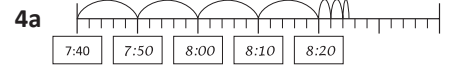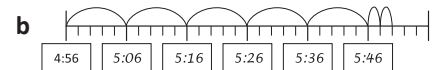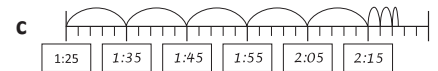
2:20 pm

Page 15

1

February						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28						

March						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

April						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

Series E – Time

Page 15

1

May						
S	**M**	**T**	**W**	**T**	**F**	**S**
30	*31*					1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	*21*	*22*
23	*24*	*25*	*26*	*27*	*28*	*29*

June						
S	**M**	**T**	**W**	**T**	**F**	**S**
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	*21*	*22*	*23*	*24*	*25*	*26*
27	*28*	*29*	*30*			

2a Sunday

b Wednesday

c Friday

d Tuesday

e Saturday

f Monday

3
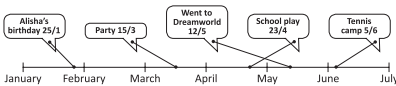
Page 16

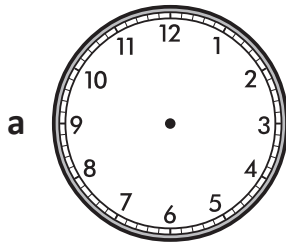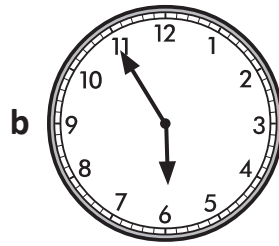| Name	Day of the week	Month
Max	*Monday*	*March*
Stefan	*Thursday*	*November*
Liam	*Saturday*	*July*
Harriet	*Tuesday*	*June*
Leonie	*Sunday*	*December*

Page 17
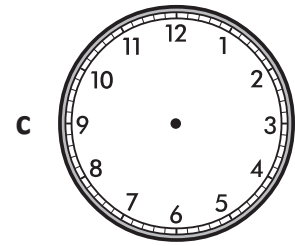
What to do

Observe students.

Telling time

1 **Complete this row of clocks so that each clock and label shows the same time:**

a

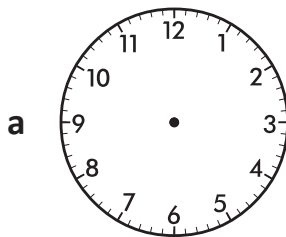[10 past 3]

b

[   ]

c

[20 to 5]

....

2 **Draw the hands on the clock face to show the time below:**

a

[22 minutes past 7]

b

[13 minutes to 1]

c
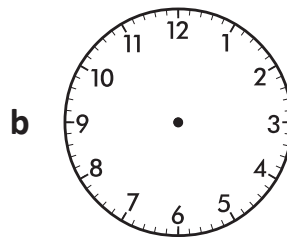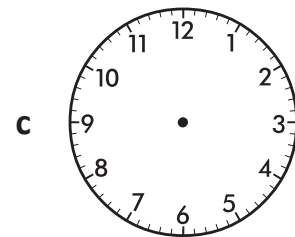
[4 minutes past 6]

....

3 **Show these 24-hour times on the clock faces:**

a

13:00

b

21:15

c
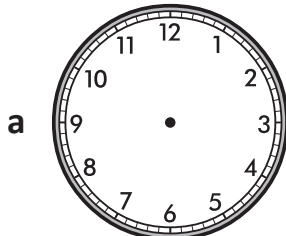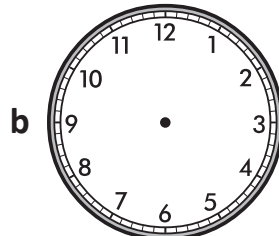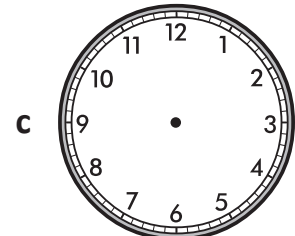
17:49

....

4 **Write the times that these digital clocks are showing:**

a [01:53]   **b** [09:17]   **c** [06:55]

____ minutes to ____   ____ minutes past ____   ____ minutes to ____

....

Skills	Not yet	Kind of	Got it
• Reads time to 5 minute intervals			
• Reads time to 1 minute intervals			
• Reads 24-hour time			
• Reads and writes digital time			

Measuring time

1 Complete this table by writing the times in digital form. Circle am or pm in the last column:

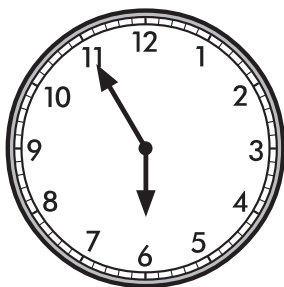|		
a Quarter to seven at night		am / pm
b Twenty past four in the morning		am / pm
c Twenty five to one in the day		am / pm

2 Add two hours to each of these digital times:

a 7:53 am _____   **b** 4:18 pm _____   **c** 9:35 pm _____

d 10:15 pm _____   **e** 3:26 am _____   **f** 2:58 am _____

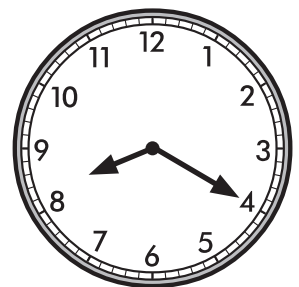**3** Complete these time facts:

a 3 weeks   = _____ days   **b** 48 hours = _____ days

c 180 minutes = _____ hours   **d** 1 year   = _____ days

4 How much time has passed?

Elapsed time:

Start

Finish

Skills	Not yet	Kind of	Got it
• Converts between units of time			
• Calculates elapsed time			

Measuring time

Name _____

5 **Answer the questions about this timetable:**

Station	Time			
Knightscove	10:16 am	11:16 am	12:16 pm	1:16 pm
Fig Tree Park	10:21 am	11:21 am	12:21 pm	1:21 pm
Trinian Street	11:05 am	12:05 pm	1:05 pm	2:05 pm
Carlsford	11:15 am	12:18 pm	1:16 pm	2:17 pm

a What time does the earliest train leave Knightscove? _____

b At what time will I get to Carlsford if I get on the train
at Fig Tree Park at 12:21 pm? _____

c How long does it take to get from Knightscove to
Carlsford if I get the 1:16 pm train from Knightscove? _____

d If I want to get to Trinian Street by 1:15 pm and I live
at Fig Tree Park, which train should I get? _____

6 **Create a timeline based on your ideal day. Include 4 things you would do. Label the times and connect each activity with a line to the time that you would do them:**

Skills	Not yet	Kind of	Got it
• Reads and interprets simple timetables			
• Creates simple time line			

Series E – Time – Student Progress Record

What went well: _____

_____

_____

_____

What I need to improve: _____

_____

_____

_____

- ✂

Series E – Time – Student Progress Record

What went well: _____

_____

_____

_____

What I need to improve: _____

_____

_____

_____

Series E – Time

ASSESSMENT ANSWERS

Page 4

1a

b 5 to 6

c

2a

b

c

3a

b

c
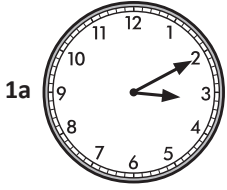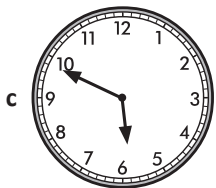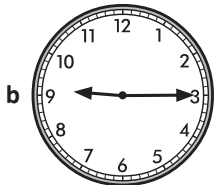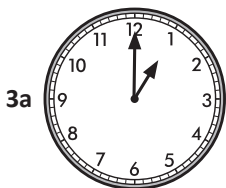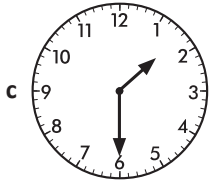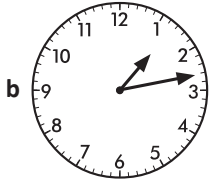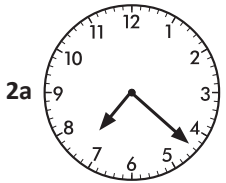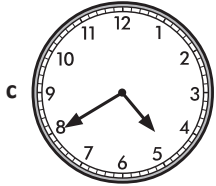
4a 7; 2

 b 17; 9

 c 5; 7

Pages 5–6

1a 6:45; (pm)

 b 4:20; (am)

 c 12:35; (pm)

2a 9:53 am

 b 6:18 pm

 c 11:35 pm

 d 12:15 am

 e 5:26 am

 f 4:58 am

3a 21

 b 2

 c 3

 d 365

4 2 hours 25 minutes

5a 10:16 am

 b 1:16 pm

 c 1 hour 1 minute

 d 12:21 pm

6 Answers will vary.

Series E – Time

Topic	Reference	Strand	Objective
Telling Time	4M4a	Measurement	Read, write and convert time between analogue and digital 12-hour clocks.
Measuring Time	4M4b	Measurement	Read, write and convert time between analogue and digital 24-hour clocks.
Measuring Time	4M4c	Measurement	Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.