

Varied Fluency

Step 7: Finding the Duration

National Curriculum Objectives:

Mathematics Year 3: (3M4f) [Compare durations of events \[for example to calculate the time taken by particular events or tasks\]](#)

Differentiation:

Developing Questions to support working out the duration of events in increments of 10 minutes (using 12 hour clock).

Expected Questions to support working out the duration of events in increments of 5 minutes (using 12 and 24 hour clock).

Greater Depth Questions to support working out the duration of events in increments of 1 minute (using 12 and 24 hour clock).

More [Year 3 Time](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

Finding the Duration

Finding the Duration

1a. Are the statements true or false?

Club	Start	Finish
Art	3:20pm	3:50pm
Rugby	3:00pm	3:40pm
Homework	3:20pm	4:00pm
Tennis	3:10pm	4:20pm

Tennis club is longer than rugby club.
Art club is shorter than homework club.



VF

1b. Are the statements true or false?

Club	Start	Finish
Maths	3:10pm	4:10pm
Craft	3:00pm	4:00pm
Knitting	3:20pm	3:40pm
Hockey	3:10pm	4:00pm

Hockey club is longer than maths club.
Knitting club is shorter than craft club.



VF

2a. George reads for 50 minutes. Circle when he read.

6:10 – 6:50 7:30 – 8:10
4:40 – 5:20 7:20 – 8:10



VF

2b. Karina swims for 40 minutes. Circle when she swam.

10:00 – 10:30 10:20 – 11:10
8:20 – 9:00 1:50 – 2:50



VF

3a. Circle the show which is the longest.

Upton Abbey Westenders
9:10 – 10:00 7:20 – 8:30

Jeremy Carl Planet Mars
10:50 – 11:30 8:00 – 9:00



VF

3b. Circle the show which is the shortest.

Bottom Gear Ivyoaks
9:10 – 9:50 5:20 – 5:50

Doctor When Big Sister
8:50 – 9:40 9:10 – 10:10



VF

4a. Which train takes the longest?

	Departs	Arrives
Leeds	2:50pm	4:20pm
Halifax	6:10pm	7:00pm
Liverpool	8:30am	10:40am
London	1:50pm	2:40pm



VF

4b. Which train takes the longest?

	Departs	Arrives
Leeds	3:10pm	4:20pm
Halifax	2:50pm	3:10pm
Liverpool	10:20am	12:00am
London	8:30am	10:40am



VF

Finding the Duration

Finding the Duration

5a. Are the statements true or false?

Club	Start	Finish
Art	15:05	15:50
Rugby	15:15	15:55
Homework	15:20	16:10
Tennis	15:10	16:05

Art club is longer than homework club.
Rugby club is shorter than tennis club.



VF

5b. Are the statements true or false?

Club	Start	Finish
Cooking	3:10	4:10
Craft	3:05	4:00
Maths	3:05	3:45
Hockey	3:15	4:00

Cooking club is longer than maths club.
Hockey club is shorter than craft club.



VF

6a. Emilio reads for 45 minutes. Circle when he read.

6:10 – 7:00 19:30 – 20:15

16:40 – 17:20 7:25 – 8:20



VF

6b. Salma swims for 55 minutes. Circle when she swam.

12:05 – 12:30 10:20 – 11:10

8:25 – 9:20 13:55 – 14:55



VF

7a. Circle the show which is the longest.

Upton Abbey Westenders
21:25 – 22:30 7:45 – 8:40

Jeremy Carl Planet Mars
11:25 – 12:00 20:05 – 21:05



VF

7b. Circle the show which is the shortest.

Bottom Gear Ivyoaks
8:05 – 8:40 17:55 – 18:20

Doctor When Big Sister
7:30 – 8:10 21:10 – 22:00



VF

8a. Which train takes the longest?

	Departs	Arrives
Leeds	13:55	14:50
Halifax	7:25	9:15
Liverpool	20:05	21:10
London	3:40	4:55



VF

8b. Which train takes the longest?

	Departs	Arrives
Leeds	7:35	8:15
Halifax	15:50	16:20
Liverpool	10:25	11:35
London	9:10	10:50



VF

Finding the Duration

Finding the Duration

9a. Are the statements true or false?

Club	Start	Finish
Art	15:01	15:57
Rugby	15:05	16:02
Homework	15:09	16:00
Tennis	15:14	15:46

Art club is longer than homework club.
Rugby club is shorter than tennis club.



VF

9b. Are the statements true or false?

Club	Start	Finish
Cooking	12:01	12:35
Craft	12:00	13:05
Maths	12:07	12:59
Hockey	12:15	13:03

Cooking club is longer than maths club.
Hockey club is shorter than craft club.



VF

10a. Makai reads for 41 minutes. Circle when he read.

8:56 – 10:06 9:14 – 9:58
16:23 – 17:17 20:56 – 21:37



VF

10b. Khloe swims for 62 minutes. Circle when she swam.

16:47 – 17:50 10:29 – 11:01
11:23 – 12:25 11:23 – 12:24



VF

11a. Circle the show which is the longest.

Upton Abbey Westenders
20:02 – 20:59 19:32 – 20:04

Jeremy Carl Planet Mars
10:34 – 11:28 21:32 – 22:39



VF

11b. Circle the show which is the shortest.

Bottom Gear Ivyoaks
18:02 – 18:47 16:35 – 17:35

Doctor When Big Sister
19:05 – 20:06 22:47 – 23:57



VF

12a. Which train takes the longest?

	Departs	Arrives
Leeds	12:36	12:57
Halifax	13:57	15:42
Liverpool	16:02	17:34
London	19:23	20:46



VF

12b. Which train takes the longest?

	Departs	Arrives
Leeds	9:45	11:06
Halifax	12:23	13:00
Liverpool	13:56	14:11
London	16:34	17:21



VF

Varied Fluency
Finding the Duration

Developing

- 1a. **True, True**
- 2a. **7:20 – 8:10**
- 3a. **Westenders**
- 4a. **Liverpool**

Expected

- 5a. **False, True**
- 6a. **19:30 – 20:15**
- 7a. **Upton Abbey**
- 8a. **Halifax**

Greater Depth

- 9a. **True, False**
- 10a. **20:56 – 21:37**
- 11a. **Planet Mars**
- 12a. **Halifax**

Varied Fluency
Finding the Duration

Developing

- 1b. **False, True**
- 2b. **8:20 – 9:00**
- 3b. **Ivyoaks**
- 4b. **London**

Expected

- 5b. **True, False**
- 6b. **8:25 – 9:20**
- 7b. **Ivyoaks**
- 8b. **London**

Greater Depth

- 9b. **False, True**
- 10b. **11:23 – 12:25**
- 11b. **Bottom Gear**
- 12b. **Leeds**