

Varied Fluency

Step 1: Hours, Minutes and Seconds

National Curriculum Objectives:

Mathematics Year 4: (4M4c) [Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days](#)

Differentiation:

Developing Questions to support conversions of hours, minutes and seconds in multiples of 10.

Expected Questions to support conversions of whole, half, quarter and multiples of 5 and 10 hours, minutes and seconds using two consecutive units of time, i.e. 5 hours and 35 minutes.

Greater Depth Questions to support conversions of mixed durations of hours, minutes and seconds using any two units of time and unconventional partitioning, i.e. 5 hours and 90 minutes.

More [Year 4 Time](#) resources.

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

Hours, Minutes and Seconds

Hours, Minutes and Seconds

1a. Fill in the gaps.

Hours	Minutes
1 hour	
	120
2 hours 30 minutes	
	180
3 hours 30 minutes	



VF

1b. Fill in the gaps.

Minutes	Seconds
half a minute	
	90
3 minutes	
	240
4 minutes 30 seconds	



VF

2a. Use <, > or = to make the statement correct.

2 minutes 90 seconds



VF

2b. Use <, > or = to make the statement correct.

1 hour 30 minutes 150 minutes



VF

3a. Match the times together to find the odd one out.

2 minutes
30 seconds

150
seconds

230
seconds



VF

3b. Match the times together to find the odd one out.

240
minutes

210
minutes

4 hours



VF

4a. Which children were quicker in week 2?

Name	Week 1	Week 2
Jay	1 minute	30 seconds
Tim	180 seconds	1 minute 30 seconds
Aya	3 minutes 30 seconds	240 seconds



VF

4b. Which child was quicker in week 1?

Name	Week 1	Week 2
Bo	1 hour 30 minutes	120 minutes
Esa	180 minutes	2 hours
Ivan	5 hours	300 minutes



VF

Hours, Minutes and Seconds

Hours, Minutes and Seconds

5a. Fill in the gaps.

Hours	Minutes
1 hour 40 minutes	
	15
2 hours 10 minutes	
	170
3 hours 20 minutes	



VF

5b. Fill in the gaps.

Minutes	Seconds
	70
1 minute 25 seconds	
	165
3 minutes and 40 seconds	
	255



VF

6a. Use <, > or = to make the statement correct.

3 minutes 15 seconds 190 seconds



VF

6b. Use <, > or = to make the statement correct.

4 hours 30 minutes 270 minutes



VF

7a. Match the times together to find the odd one out.

125 seconds

1 hour 40 minutes

140 minutes

100 minutes

2 minutes 5 seconds



VF

7b. Match the times together to find the odd one out.

145 seconds

3 hours 30 minutes

105 seconds

210 minutes

1 minute 45 seconds



VF

8a. Which children were quicker in week 2?

Name	Week 1	Week 2
Joey	3 hours 5 minutes	170 minutes
Sam	260 minutes	4 hours
Nyab	5 hours 10 minutes	305 minutes



VF

8b. Which children were quicker in week 1?

Name	Week 1	Week 2
Barney	2 minutes 50 seconds	180 seconds
Jibrail	6 minutes	275 seconds
Tia	240 seconds	4 minutes 5 seconds



VF

Hours, Minutes and Seconds

Hours, Minutes and Seconds

9a. Fill in the gaps.

Minutes	Seconds
	118
2 minutes 64 seconds	
	239
4 minutes 97 seconds	
	351



VF

9b. Fill in the gaps.

Hours	Minutes
3 hours 26 minutes	
	288
5 hours 42 minutes	
	399
7 hours 3 minutes	



VF

10a. Use <, > or = to make the statement correct.

6 hours 56 minutes 426 minutes



VF

10b. Use <, > or = to make the statement correct.

533 seconds 8 minutes 93 seconds



VF

11a. Match the times together to find the odd one out.

3 hours 32 minutes

332 minutes

212 minutes

234 seconds

3 minutes 54 seconds



VF

11b. Match the times together to find the odd one out.

6 minutes 49 seconds

4 hours 59 minutes

299 minutes

649 seconds

409 seconds



VF

12a. Which children were quicker in week 1 and by how much?

Name	Week 1	Week 2
Juno	5 hours 37 minutes	237 minutes
Mark	6 hours 49 minutes	419 minutes
Ivy	438 minutes	7 hours 98 minutes



VF

12b. Which children were quicker in week 1 and by how much?

Name	Week 1	Week 2
Rafi	552 seconds	9 minutes 88 seconds
Jim	8 minutes 26 seconds	516 seconds
Erin	574 seconds	9 minutes 54 seconds



VF

Varied Fluency Hours, Minutes and Seconds

Developing

1a.

Hours	Minutes
1 hour	60
2 hours	120
2 hours 30 minutes	150
3 hours	180
3 hours 30 minutes	210

2a. >

3a. 230 seconds

4a. Jay and Tim

Expected

5a.

Hours	Minutes
1 hour 40 minutes	100
quarter of an hour	15
2 hours 10 minutes	130
2 hours 50 minutes	170
3 hours 20 minutes	200

6a. >

7a. 140 minutes

8a. All three children

Greater Depth

9a.

Minutes	Seconds
1 minute 58 seconds	118
2 minutes 64 seconds	184
3 minutes 59 seconds	239
4 minutes 97 seconds	337
5 minutes 51 seconds	351

10a. <

11a. 332 minutes

12a. Mark – week 1 by 10 minutes;

Ivy – week 1 by 80 minutes.

Varied Fluency Hours, Minutes and Seconds

Developing

1b.

Minutes	Seconds
half a minute	30
1 minute 30 seconds	90
3 minutes	180
4 minutes	240
4 minutes 30 seconds	270

2b. <

3b. 210 minutes

4b. Bo

Expected

5b.

Minutes	Seconds
1 minute 10 seconds	70
1 minute 25 seconds	85
2 minutes 45 seconds	165
3 minutes and 40 seconds	220
4 minutes 15 seconds	255

6b. =

7b. 145 seconds

8b. Barney and Tia

Greater Depth

9b.

Hours	Minutes
3 hours 26 minutes	206
4 hours 48 minutes	288
5 hours 42 minutes	342
6 hours 39 minutes	399
7 hours 3 minutes	423

10b. <

11b. 649 seconds

12b. Rafi – week 1 by 76 seconds;

Jim – week 1 by 10 seconds;

Erin – week 1 by 20 minutes.