

Phase 7 Time

Phase 7 Progression Overview	Assessment Note	Marks
I can read and record time in both 12 hour and 24-hour notation and can convert between the two.	Question 1 and 2	Q1 /1 Q2 /1
I know the relationships between commonly used units of time and carries out simple conversion calculations, for example, changes 1 $\frac{3}{4}$ hours into minutes.	Question 3, 4 and 5	Q3 /1 Q4 /2 Q5 /1
I can use and interpret a range of electronic and paper-based timetables and calendars to plan events or activities and solve real life problems.	Question 6 and 7	Q6 /1 Q7 /4
I can calculate durations of activities and events including situations bridging across several hours and parts of hours using both 12 hour clock and 24 hour notation.	Question 6 and 7	
I can estimate the duration of a journey based on knowledge of the link between speed, distance and time.	Question 8, 9 and 10	Q8 /1 Q9 /1 Q10 /1
I can choose the most appropriate timing device in practical situations and records using relevant units, including hundredths of a second	Not in assessment, assessed through teacher observations.	
I can select the most appropriate unit of time for a given task and justifies choice.	Question 11	Q11 /3
	TOTAL	17

	Question	Mark
1	I can read and record time in both 12 hour and 24-hour notation and can convert between the two. Josh checks his watch, and it reads this:  What is the time in 12-hour notation?	1
2	I can read and record time in both 12 hour and 24-hour notation and can convert between the two. Joe checks the time in the afternoon. Can you write in in 24-hour notation? 	1
3	I know the relationships between commonly used units of time and carries out simple conversion calculations, for example, changes $1\frac{3}{4}$ hours into minutes. It takes 135 minutes to get from the school to the cinema. What is this in hours and minutes? Show your working	1
4	I know the relationships between commonly used units of time and carries out simple conversion calculations, for example, changes $1\frac{3}{4}$ hours into minutes. Lunch time is in $2\frac{1}{4}$ hours. What is this in hours and minutes? Show your working	1
5	I know the relationships between commonly used units of time and carries out simple conversion calculations, for example, changes $1\frac{3}{4}$	1

	hours into minutes. I spent 2 hours and 8 minutes the museum. How long is this in minutes? Show your working																																																																																																																																						
6	I can use and interpret a range of electronic and paper-based timetables and calendars to plan events or activities and solve real life problems. (a) I can calculate durations of activities and events including situations bridging across several hours and parts of hours using both 12 hour clock and 24 hour notation. (b) March <table><tr><th>Mon</th><th>Tue</th><th>Wed</th><th>Thu</th><th>Fri</th><th>Sat</th><th>Sun</th></tr><tr><td></td><td></td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr><tr><td>2</td><td>3</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td></tr><tr><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td></tr><tr><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td></tr><tr><td>30</td><td>31</td><td></td><td></td><td></td><td></td><td></td></tr></table> My birthday is 2 weeks and 3 days after the date highlighted in the calendar. What date is my birthday? April <table><tr><th>Mon</th><th>Tue</th><th>Wed</th><th>Thu</th><th>Fri</th><th>Sat</th><th>Sun</th></tr><tr><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr><tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr><tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr><tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr><tr><td>27</td><td>28</td><td>29</td><td>30</td><td></td><td></td><td></td></tr></table> From the date highlighted how many weeks and days is it until April 26th? May <table><tr><th>Mon</th><th>Tue</th><th>Wed</th><th>Thu</th><th>Fri</th><th>Sat</th><th>Sun</th></tr><tr><td></td><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td></tr><tr><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr><tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td></tr><tr><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td></tr><tr><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td></tr></table>	Mon	Tue	Wed	Thu	Fri	Sat	Sun			4	5	6	7	8	2	3						9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						Mon	Tue	Wed	Thu	Fri	Sat	Sun			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				Mon	Tue	Wed	Thu	Fri	Sat	Sun					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	2
Mon	Tue	Wed	Thu	Fri	Sat	Sun																																																																																																																																	
		4	5	6	7	8																																																																																																																																	
2	3																																																																																																																																						
9	10	11	12	13	14	15																																																																																																																																	
16	17	18	19	20	21	22																																																																																																																																	
23	24	25	26	27	28	29																																																																																																																																	
30	31																																																																																																																																						
Mon	Tue	Wed	Thu	Fri	Sat	Sun																																																																																																																																	
		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																																																																																																																																				
Mon	Tue	Wed	Thu	Fri	Sat	Sun																																																																																																																																	
				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																																																																																																																																	
7	I can use and interpret a range of electronic and paper-based timetables and calendars to plan events or activities and solve real life problems. I can calculate durations of activities and events including situations bridging across several hours and parts of hours using both 12 hour clock and 24 hour notation. Look at the following bus time table then answer the following questions: <table><tr><th>Destination</th><th>Bus A</th><th>Bus B</th><th>Bus C</th><th>Bus D</th></tr><tr><td>Trolly</td><td>08.10</td><td>11.16</td><td>15.58</td><td>13.15</td></tr><tr><td>Sparkle Town</td><td></td><td>11.22</td><td>16.09</td><td></td></tr><tr><td>Mansville</td><td>08.55</td><td></td><td>16.49</td><td>13.41</td></tr><tr><td>Clearwater</td><td>09.13</td><td>12.01</td><td>17.12</td><td>14.16</td></tr></table> a.) How long does it take to get from Trolly to Clearwater on Bus A? b.) I have an appointment in Mansville at 2.45pm, what is the best bus for me to get? Explain why.	Destination	Bus A	Bus B	Bus C	Bus D	Trolly	08.10	11.16	15.58	13.15	Sparkle Town		11.22	16.09		Mansville	08.55		16.49	13.41	Clearwater	09.13	12.01	17.12	14.16																																																																																																													
Destination	Bus A	Bus B	Bus C	Bus D																																																																																																																																			
Trolly	08.10	11.16	15.58	13.15																																																																																																																																			
Sparkle Town		11.22	16.09																																																																																																																																				
Mansville	08.55		16.49	13.41																																																																																																																																			
Clearwater	09.13	12.01	17.12	14.16																																																																																																																																			

4

	c.) How long does it take me to get from Sparkle Town to Clearwater on Bus B? d.) What bus takes the least amount of time to get from Trolly to Sparkle Town?	
8	I can estimate the duration of a journey based on knowledge of the link between speed, distance and time. An aeroplane is going 300mph and travels for 8 hours. How far does it travel? Show your working out	1
9	I can estimate the duration of a journey based on knowledge of the link between speed, distance and time. How long does it take to drive 60 miles, where I am driving at an average speed of 40mph? Show your working out	1
10	I can estimate the duration of a journey based on knowledge of the link between speed, distance and time. A train travels 200km in 3 hours. What is its average speed? Show your working out	1
11	I can select the most appropriate unit of time for a given task and justifies choice. a.) What unit of time would I use to measure how long it would take me to walk from one end of the classroom to the other? b.) What unit of time would I use to measure traveling from Scotland to Australia? c.) What unit of time would I use to measure my walk to school?	3