

Measurement

Solve problems involving converting between units of time.

- What is 444 minutes in hours and minutes?
- Anya finishes school at twenty past three in the afternoon. Circle the 24 hour clock that is showing the time Anya finishes school.

03:20 20:03

13:20

15:20 20:15

- Patrick begins watching a film at 4:27pm for 90 minutes. What time does the film finish?

- Order these times in the evening beginning with the earliest.

Half past 9

21:40

Quarter to nine

8:35pm

Explain your thinking.

- Order these durations beginning with the smallest.

1 min

100 secs

180 secs

3 mins

Explain your thinking.

- Fatima says,

100 minutes is 10 times bigger than 100 seconds

Do you agree? Explain why.

- Work out how many days old a baby will be when it has lived for 1 million seconds.

- During a long haul flight, Beth, Caroline and Kelsey all had a sleep.

Kelsey slept four times longer than Caroline did.

Beth slept 15 minutes less than Kelsey did.

Beth slept for 1 hour and 45 minutes.

How many minutes did Caroline sleep for?

- One of these watches is 3 minutes fast and one is 4 minutes slow.



Work out the correct time.

	National Curriculum Statement	All students																																											
		Fluency	Reasoning	Problem Solving																																									
Statistics	Complete, read and interpret information in tables including timetables.	<p>Use the timetable to the left to answer the following questions:</p> <ul style="list-style-type: none"> On the 06:35 bus, how long does it take to get from Shelf Roundabout to Bradford Interchange? Can you travel to Woodside on the 07:43 bus? Which journey takes the longest time between Shelf Village Hall and Bradford Interchange, the bus that leaves SVH at 06:46 or the bus that leaves SVH at 07:23? 	<p>Use the timetable to the left to answer the following questions:</p> <ul style="list-style-type: none"> If you needed to travel from Halifax Bus Station to Odsal and had to arrive by 08:20, which would be the best bus to catch? Explain your answer. Which journey takes the longest time from Halifax Bus Station to Bradford Interchange? Hannah works a 10 minute walk from Bradford Interchange. She has to start work at 08:00. She is on the 07:10 bus from Halifax which is running 5 minutes late. Will she make it to work on time? Explain your reasoning. 	<ul style="list-style-type: none"> Order the journey times on the timetable from longest to shortest. Can you explain why you think the buses take different lengths of time? Three trains travel from Halifax to Leeds on the same morning. The Express leaves Halifax 10 minutes after the All Stations train, but arrives at Leeds 10 minutes before it. The All Stations takes 50 minutes to reach Leeds and arrives at 10:30. The Goods train leaves 20 minutes before the All Stations and arrives at Leeds 20 minutes after the Express. <p>Work out the timetable. That is; what time does each train leave Halifax and what time does each train arrive at Leeds Station?</p>																																									
	<table border="1"> <thead> <tr> <th colspan="6">Bus Timetable</th> </tr> </thead> <tbody> <tr> <td>Halifax Bus Station</td> <td>06:05</td> <td>06:35</td> <td>07:10</td> <td>07:43</td> <td>08:15</td> </tr> <tr> <td>Shelf Roundabout</td> <td>06:15</td> <td>06:45</td> <td></td> <td>07:59</td> <td>08:31</td> </tr> <tr> <td>Shelf Village Hall</td> <td>06:16</td> <td>06:46</td> <td>07:23</td> <td>08:00</td> <td>08:32</td> </tr> <tr> <td>Woodside</td> <td>06:21</td> <td>06:50</td> <td>07:28</td> <td></td> <td></td> </tr> <tr> <td>Odsal</td> <td>06:26</td> <td>06:55</td> <td>07:33</td> <td>08:15</td> <td>08:45</td> </tr> <tr> <td>Bradford Interchange</td> <td>06:40</td> <td>07:10</td> <td>07:48</td> <td>08:30</td> <td>09:00</td> </tr> </tbody> </table>	Bus Timetable						Halifax Bus Station	06:05	06:35	07:10	07:43	08:15	Shelf Roundabout	06:15	06:45		07:59	08:31	Shelf Village Hall	06:16	06:46	07:23	08:00	08:32	Woodside	06:21	06:50	07:28			Odsal	06:26	06:55	07:33	08:15	08:45	Bradford Interchange	06:40	07:10	07:48	08:30	09:00		
Bus Timetable																																													
Halifax Bus Station	06:05	06:35	07:10	07:43	08:15																																								
Shelf Roundabout	06:15	06:45		07:59	08:31																																								
Shelf Village Hall	06:16	06:46	07:23	08:00	08:32																																								
Woodside	06:21	06:50	07:28																																										
Odsal	06:26	06:55	07:33	08:15	08:45																																								
Bradford Interchange	06:40	07:10	07:48	08:30	09:00																																								