

Green

### Timetables

### Timetables

<p><b>1a. True or false?</b></p> <p>Ethan is in Class 3. He will have 10 minutes between the relay and discus.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr> <th></th> <th>Long Jump</th> <th>Relay</th> <th>Discus</th> </tr> </thead> <tbody> <tr> <td>Class 1</td> <td>09:00</td> <td>09:10</td> <td>09:15</td> </tr> <tr> <td>Class 2</td> <td>09:15</td> <td>09:30</td> <td>09:00</td> </tr> <tr> <td>Class 3</td> <td>09:30</td> <td>09:20</td> <td>09:05</td> </tr> <tr> <td>Class 4</td> <td>09:30</td> <td>09:40</td> <td>09:50</td> </tr> <tr> <td>Class 5</td> <td>09:45</td> <td>09:55</td> <td>09:20</td> </tr> </tbody> </table> <p>Explain your answer.</p> <p style="text-align: right;">R</p>		Long Jump	Relay	Discus	Class 1	09:00	09:10	09:15	Class 2	09:15	09:30	09:00	Class 3	09:30	09:20	09:05	Class 4	09:30	09:40	09:50	Class 5	09:45	09:55	09:20	<p><b>1b. True or false?</b></p> <p>Jessica will arrive at Old Town 20 minutes later than planned if she misses the 05:10 bus from the Town Hall.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr> <th></th> <th>Stadium</th> <th>-----</th> <th>05:00</th> <th>05:05</th> <th>05:10</th> </tr> </thead> <tbody> <tr> <td>Market Place</td> <td>05:00</td> <td>-----</td> <td>-----</td> <td>-----</td> <td>05:15</td> </tr> <tr> <td>Town Hall</td> <td>05:05</td> <td>-----</td> <td>05:10</td> <td>05:20</td> <td></td> </tr> <tr> <td>Bus Station</td> <td>05:20</td> <td>-----</td> <td>05:25</td> <td>05:30</td> <td></td> </tr> <tr> <td>Old Town</td> <td>05:25</td> <td>05:35</td> <td>05:30</td> <td>05:35</td> <td></td> </tr> <tr> <td>Train Station</td> <td>05:35</td> <td>05:40</td> <td>05:30</td> <td>05:45</td> <td></td> </tr> </tbody> </table> <p>Explain your answer.</p> <p style="text-align: right;">R</p>		Stadium	-----	05:00	05:05	05:10	Market Place	05:00	-----	-----	-----	05:15	Town Hall	05:05	-----	05:10	05:20		Bus Station	05:20	-----	05:25	05:30		Old Town	05:25	05:35	05:30	05:35		Train Station	05:35	05:40	05:30	05:45		
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<p><b>2a. Sam goes to an aquarium at 3:10pm. He has 45 minutes before he has to go home.</b></p> <p>Which shows can he visit in this time?</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr> <th colspan="2">Indoor Shows</th> <th colspan="2">Outdoor Shows</th> </tr> </thead> <tbody> <tr> <td>3:10-3:15</td> <td>Sharks</td> <td>3:10-3:20</td> <td>Seals</td> </tr> <tr> <td>3:15-3:40</td> <td>Rainbow Fish</td> <td>3:20-3:30</td> <td>Sealions</td> </tr> <tr> <td>3:40-3:50</td> <td>Turtles</td> <td>3:30-3:40</td> <td>Penguins</td> </tr> <tr> <td>3:50-4:00</td> <td>Octopus</td> <td>3:40-3:45</td> <td>Otters</td> </tr> </tbody> </table> <p>Find different possibilities.</p> <p style="text-align: right;">PS</p>	Indoor Shows		Outdoor Shows		3:10-3:15	Sharks	3:10-3:20	Seals	3:15-3:40	Rainbow Fish	3:20-3:30	Sealions	3:40-3:50	Turtles	3:30-3:40	Penguins	3:50-4:00	Octopus	3:40-3:45	Otters	<p><b>2b. Rachel visits a theme park at 3pm. Her mum is picking her up in 50 minutes.</b></p> <p>Which rides can she visit in this time?</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr> <th colspan="2">Small Rides</th> <th colspan="2">Big Rides</th> </tr> </thead> <tbody> <tr> <td>3:00-3:10</td> <td>Teacups</td> <td>3:00-3:20</td> <td>Tower Jump</td> </tr> <tr> <td>3:10-3:25</td> <td>Carousel</td> <td>3:20-3:25</td> <td>Wave Swing</td> </tr> <tr> <td>3:30-3:45</td> <td>Swing Boat</td> <td>3:25-3:40</td> <td>Rollercoaster</td> </tr> <tr> <td>3:45-3:50</td> <td>Tiny Train</td> <td>3:40-3:55</td> <td>Big Wheel</td> </tr> </tbody> </table> <p>Find different possibilities.</p> <p style="text-align: right;">PS</p>	Small Rides		Big Rides		3:00-3:10	Teacups	3:00-3:20	Tower Jump	3:10-3:25	Carousel	3:20-3:25	Wave Swing	3:30-3:45	Swing Boat	3:25-3:40	Rollercoaster	3:45-3:50	Tiny Train	3:40-3:55	Big Wheel																					
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4a. True or false?

Isla is in Class 4. She will have 7 minutes between the javelin and the sprint.

	Sprint	Sack Race	Javelin
Class 1	09:00	09:31	09:24
Class 2	09:12	09:00	09:31
Class 3	09:18	09:12	09:00
Class 4	09:24	09:18	09:12
Class 5	09:31	09:24	09:18

Explain your answer.



R

### Timetables

4b. True or false?

Frankie will arrive in Manchester 40 minutes later than planned if he misses the 08:10 bus from the bus station.

Bus Station	08:02	08:10	08:18	08:26
Leeds Road	08:11	-----	-----	08:35
Shopping Village	08:19	-----	08:36	08:43
High Street	08:52	-----	09:11	09:18
Manchester	09:17	09:04	-----	09:44
Train Station	09:33	09:17	09:41	09:59

Explain your answer.



R

5a. Noah goes to the activity centre at 4pm. He has 1 hour and 30 minutes before he has to go home.

Which activities can he do in this time?

Hall A		Hall B	
4:10-4:35	Bowling	3:50-4:35	Badminton
4:35-5:15	Climbing	4:35-4:45	Table Tennis
5:15-5:30	Mini Golf	4:45-5:00	Laser-tag
5:30-5:50	Abseiling	5:00-5:15	Paintballing

Find different possibilities.



PS

5b. Leanne visits an after school club at 3:30. She is getting picked up by her dad in 1 hour and 50 minutes.

Which sessions can she attend in this time?

Club List 1		Club List 2	
3:30-4:15	Craft	3:30-4:25	Football
4:20-5:05	Gardening	4:25-4:45	Zumba
5:10-5:20	Dance	4:45-5:05	Reading
5:20-6:00	Film Club	5:10-5:20	Yoga

Find different possibilities.



PS

6a. Evan is planning his journey from Meadowhall to the bus station. He thinks the 07:26 train will get him there the quickest.

	07:01	07:14	07:32	07:51
Sheffield	07:01	07:14	07:32	07:51
Meadowhall	-----	07:26	07:45	08:06
Doncaster	07:55	-----	-----	08:28
Leeds	08:19	08:47	-----	09:13
Bradford	-----	09:22	-----	09:49
Bus Station	09:16	09:43	09:35	10:34

Is he correct? Explain your answer.



R

6b. This is part of the parents' evening timetable for Class 12. Archie thinks he might have made a mistake.

	English	Maths	Science	Head
Logan	04:00	04:24	04:16	04:08
Archie	04:16	04:00	04:24	04:16
Ivy	04:16	04:08	04:00	04:24
Florence	04:24	04:16	04:08	04:00

Is he correct? Explain your answer.



R

Red

## Timetables

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<p><b>7a. True or false?</b></p> <p>Tommy is in Class 3. He will have 12 minutes between being in the sports hall and on the playground.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr> <th></th> <th>Sports Hall</th> <th>Field</th> <th>Playground</th> </tr> </thead> <tbody> <tr> <td>Class 1</td> <td>11:05</td> <td>11:30</td> <td>11:40</td> </tr> <tr> <td>Class 2</td> <td>11:12</td> <td>11:25</td> <td>11:00</td> </tr> <tr> <td>Class 3</td> <td>11:48</td> <td>12:00</td> <td>12:11</td> </tr> <tr> <td>Class 4</td> <td>12:25</td> <td>11:40</td> <td>12:00</td> </tr> <tr> <td>Class 5</td> <td>12:30</td> <td>12:20</td> <td>12:10</td> </tr> </tbody> </table> <p>Explain your answer.</p> <div style="display: flex; justify-content: space-between; align-items: center;"> <span style="font-size: 8px;">R</span> </div>		Sports Hall	Field	Playground	Class 1	11:05	11:30	11:40	Class 2	11:12	11:25	11:00	Class 3	11:48	12:00	12:11	Class 4	12:25	11:40	12:00	Class 5	12:30	12:20	12:10	<p><b>7b. True or false?</b></p> <p>Eliza will arrive at the Monument Street 27 minutes later than planned if she misses the 19:31 bus from King's Road.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr> <th>Bus Station</th> <th>18:56</th> <th>19:10</th> <th>19:24</th> <th>19:34</th> </tr> </thead> <tbody> <tr> <td>King's Road</td> <td>19:11</td> <td>-----</td> <td>19:31</td> <td>19:40</td> </tr> <tr> <td>Castle</td> <td>19:20</td> <td>-----</td> <td>19:48</td> <td>19:53</td> </tr> <tr> <td>Monument Street</td> <td>19:27</td> <td>-----</td> <td>19:58</td> <td>20:08</td> </tr> <tr> <td>Train Station</td> <td>19:38</td> <td>19:44</td> <td>-----</td> <td>20:20</td> </tr> <tr> <td>Harbour</td> <td>19:46</td> <td>19:57</td> <td>20:15</td> <td>20:32</td> </tr> </tbody> </table> <p>Explain your answer.</p> <div style="display: flex; justify-content: space-between; align-items: center;"> <span style="font-size: 8px;">R</span> </div>	Bus Station	18:56	19:10	19:24	19:34	King's Road	19:11	-----	19:31	19:40	Castle	19:20	-----	19:48	19:53	Monument Street	19:27	-----	19:58	20:08	Train Station	19:38	19:44	-----	20:20	Harbour	19:46	19:57	20:15	20:32						
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<p><b>8a. Dexter has 2 hours and 17 minutes left at the Fair. The time is 15:40.</b></p> <p>Which activities can he visit in this time?</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr> <th colspan="2">Stalls</th> <th colspan="2">Attractions</th> </tr> </thead> <tbody> <tr> <td>15:40-16:05</td> <td>Hook a Duck</td> <td>15:40-16:20</td> <td>Petting Zoo</td> </tr> <tr> <td>16:05-16:35</td> <td>Tombola</td> <td>16:20-16:35</td> <td>Bumper Cars</td> </tr> <tr> <td>16:35-17:20</td> <td>Coconut Shy</td> <td>16:35-17:10</td> <td>Silly House</td> </tr> <tr> <td>17:20-6:00</td> <td>Lucky Dip</td> <td>17:15-17:45</td> <td>Maze</td> </tr> </tbody> </table> <p>Find different possibilities.</p> <div style="display: flex; justify-content: space-between; align-items: center;"> <span style="font-size: 8px;">PS</span> </div>	Stalls		Attractions		15:40-16:05	Hook a Duck	15:40-16:20	Petting Zoo	16:05-16:35	Tombola	16:20-16:35	Bumper Cars	16:35-17:20	Coconut Shy	16:35-17:10	Silly House	17:20-6:00	Lucky Dip	17:15-17:45	Maze	<p><b>8b. Annie has 1 hour and 36 minutes left at the Zoo. The time is 16:30.</b></p> <p>Which shows can she visit in this time?</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr> <th colspan="2">African Wonderland</th> <th colspan="2">Jungle Creatures</th> </tr> </thead> <tbody> <tr> <td>16:30-17:05</td> <td>Giraffes</td> <td>16:30-17:15</td> <td>Monkeys</td> </tr> <tr> <td>17:10-17:20</td> <td>Elephants</td> <td>17:15-17:20</td> <td>Snakes</td> </tr> <tr> <td>17:20-17:55</td> <td>Zebras</td> <td>17:30-17:40</td> <td>Jaguars</td> </tr> <tr> <td>18:10-18:45</td> <td>Lions</td> <td>17:30-17:55</td> <td>Parrots</td> </tr> </tbody> </table> <p>Find different possibilities.</p> <div style="display: flex; justify-content: space-between; align-items: center;"> <span style="font-size: 8px;">PS</span> </div>	African Wonderland		Jungle Creatures		16:30-17:05	Giraffes	16:30-17:15	Monkeys	17:10-17:20	Elephants	17:15-17:20	Snakes	17:20-17:55	Zebras	17:30-17:40	Jaguars	18:10-18:45	Lions	17:30-17:55	Parrots																				
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<p><b>9a. Zak is planning his journey from Newcastle to Hartlepool. He thinks the 15:41 train will get him there the quickest.</b></p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr> <th></th> <th>15:01</th> <th>15:27</th> <th>15:45</th> <th>15:51</th> </tr> </thead> <tbody> <tr> <td>Callerton</td> <td>-----</td> <td>15:41</td> <td>15:51</td> <td>16:00</td> </tr> <tr> <td>Newcastle</td> <td>15:13</td> <td>-----</td> <td>-----</td> <td>16:18</td> </tr> <tr> <td>Heworth</td> <td>15:36</td> <td>16:02</td> <td>-----</td> <td>16:29</td> </tr> <tr> <td>Sunderland</td> <td>-----</td> <td>16:09</td> <td>-----</td> <td>16:44</td> </tr> <tr> <td>Seaham</td> <td>16:16</td> <td>16:25</td> <td>16:30</td> <td>16:53</td> </tr> <tr> <td>Hartlepool</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Is he correct? Explain your answer.</p> <div style="display: flex; justify-content: space-between; align-items: center;"> <span style="font-size: 8px;">R</span> </div>		15:01	15:27	15:45	15:51	Callerton	-----	15:41	15:51	16:00	Newcastle	15:13	-----	-----	16:18	Heworth	15:36	16:02	-----	16:29	Sunderland	-----	16:09	-----	16:44	Seaham	16:16	16:25	16:30	16:53	Hartlepool					<p><b>9b. This is part of the parents' evening timetable for Class 9, which ends at 5pm. Charlotte thinks she might have made a mistake.</b></p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr> <th></th> <th>Art</th> <th>ICT</th> <th>RE</th> <th>Head</th> </tr> </thead> <tbody> <tr> <td>Charlotte</td> <td>16:10</td> <td>16:20</td> <td>16:00</td> <td>17:20</td> </tr> <tr> <td>Bobby</td> <td>16:00</td> <td>15:50</td> <td>16:10</td> <td>16:30</td> </tr> <tr> <td>Charles</td> <td>16:20</td> <td>15:45</td> <td>16:00</td> <td>16:10</td> </tr> <tr> <td>Sophie</td> <td>16:30</td> <td>16:15</td> <td>16:40</td> <td>16:50</td> </tr> </tbody> </table> <p>Is she correct? Explain your answer.</p> <div style="display: flex; justify-content: space-between; align-items: center;"> <span style="font-size: 8px;">R</span> </div>		Art	ICT	RE	Head	Charlotte	16:10	16:20	16:00	17:20	Bobby	16:00	15:50	16:10	16:30	Charles	16:20	15:45	16:00	16:10	Sophie	16:30	16:15	16:40	16:50
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