



St John Fisher RC Primary School

Year 5 Maths Knowledge Organiser

Spring Term Two: Statistics

Objectives	Teacher
I can read and interpret data presented on line graphs	
I can solve comparison, sum and difference problems using information presented in a line graph	
I can complete, read and interpret information in tables, including timetables	

Line graphs	Tables and Timetables																																																	
<p style="text-align: center;">Heart Rate During Exercise</p> <table border="1" style="margin-top: 10px; width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #f2f2f2;">Time (mins)</th> <th>0</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> <th>8</th> <th>9</th> <th>10</th> </tr> </thead> <tbody> <tr> <th style="background-color: #f2f2f2;">Heart rate</th> <td>61</td> <td>70</td> <td>77</td> <td>82</td> <td>100</td> <td>110</td> <td>110</td> <td>110</td> <td>102</td> <td>98</td> <td>96</td> </tr> </tbody> </table>	Time (mins)	0	1	2	3	4	5	6	7	8	9	10	Heart rate	61	70	77	82	100	110	110	110	102	98	96	<p>Bus Timetable</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="background-color: #d9e1f2;">Bus Station</th> <th>11:30</th> <th>12:30</th> <th>13:30</th> <th>14:30</th> </tr> </thead> <tbody> <tr> <td style="background-color: #d9e1f2;">School</td> <td>11:37</td> <td>12:37</td> <td>13:37</td> <td>14:37</td> </tr> <tr> <td style="background-color: #d9e1f2;">Swimming Pool</td> <td>12:03</td> <td>13:03</td> <td>14:03</td> <td>15:03</td> </tr> <tr> <td style="background-color: #d9e1f2;">Health Centre</td> <td>12:20</td> <td>13:20</td> <td>14:20</td> <td>15:20</td> </tr> <tr> <td style="background-color: #d9e1f2;">Library</td> <td>12:35</td> <td>13:35</td> <td>14:35</td> <td>15:35</td> </tr> </tbody> </table>	Bus Station	11:30	12:30	13:30	14:30	School	11:37	12:37	13:37	14:37	Swimming Pool	12:03	13:03	14:03	15:03	Health Centre	12:20	13:20	14:20	15:20	Library	12:35	13:35	14:35	15:35
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Key Vocabulary	
Axis	The fixed lines on a graph - horizontal x-axis (left-right) and the vertical y-axis (up-down)
Scale	Marks on the axis at regular intervals indicating the unit of measurement represented
Data	Information collected
Timetable	A schedule showing events that take place at particular times
Interpret	To understand the information presented on a graph or in a table.

Sentence Stems	
<ul style="list-style-type: none"> • The horizontal axis shows _____ and the vertical axis shows _____ • At _____, the graph reads _____ • At _____, the graph reads _____ • The difference between the two points is _____ 	<ul style="list-style-type: none"> • The columns show _____ and the rows show _____ • Where the _____ column meets the _____ row, this shows _____ • To find a missing total, I need to _____ the numbers in a _____ or _____ • To find a missing value, I need to _____ from _____

Assessment (Self-Assessment)