

# 2019 EMIC Answers

## Individual

1.	13 : 30	2.	1 : 3	3.	336	4.	33000	5.	4041
6.	6	7.	14	8.	72	9.	674	10.	2019
11.	9	12.	357	13.	2949	14.	80	15.	16

## Team

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<b>3.</b>	<p>(i)</p> <table style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="border: 1px solid black; padding: 2px;">7</td><td style="border: 1px solid black; padding: 2px;">8</td><td style="border: 1px solid black; padding: 2px;">9</td><td style="border: 1px solid black; padding: 2px;">4</td><td style="border: 1px solid black; padding: 2px;">5</td><td style="border: 1px solid black; padding: 2px;">6</td><td style="border: 1px solid black; padding: 2px; background-color: #cccccc;">1</td><td style="border: 1px solid black; padding: 2px; background-color: #cccccc;">2</td><td style="border: 1px solid black; padding: 2px;">3</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px; background-color: #cccccc;">6</td><td style="border: 1px solid black; padding: 2px; background-color: #cccccc;">5</td><td style="border: 1px solid black; padding: 2px; background-color: #cccccc;">4</td><td style="border: 1px solid black; padding: 2px;">9</td><td style="border: 1px solid black; padding: 2px;">8</td><td style="border: 1px solid black; padding: 2px;">7</td><td style="border: 1px solid black; padding: 2px;">1</td><td style="border: 1px solid black; padding: 2px;">2</td><td style="border: 1px solid black; padding: 2px;">3</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;">6</td><td style="border: 1px solid black; padding: 2px;">5</td><td style="border: 1px solid black; padding: 2px;">4</td><td style="border: 1px solid black; padding: 2px;">3</td><td style="border: 1px solid black; padding: 2px;">2</td><td style="border: 1px solid black; padding: 2px;">1</td><td style="border: 1px solid black; padding: 2px; background-color: #cccccc;">7</td><td style="border: 1px solid black; padding: 2px; background-color: #cccccc;">8</td><td style="border: 1px solid black; padding: 2px; background-color: #cccccc;">9</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;">1</td><td style="border: 1px solid black; padding: 2px;">2</td><td style="border: 1px solid black; padding: 2px;">3</td><td style="border: 1px solid black; padding: 2px;">4</td><td style="border: 1px solid black; padding: 2px;">5</td><td style="border: 1px solid black; padding: 2px;">6</td><td style="border: 1px solid black; padding: 2px;">7</td><td style="border: 1px solid black; padding: 2px;">8</td><td style="border: 1px solid black; padding: 2px;">9</td> </tr> </table>		7	8	9	4	5	6	1	2	3	6	5	4	9	8	7	1	2	3	6	5	4	3	2	1	7	8	9	1	2	3	4	5	6	7	8	9	<p><b>4.</b></p> <p style="text-align: center; color: red; font-size: 1.2em;"><b>32</b></p>																																		
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<p><b>10.</b></p> <p style="color: red;">187, 222, 237, 254, 292, 303, 312, 324, 397, 401, 429, 548 and 937, totally 13 three-digit numbers</p>																																																																									