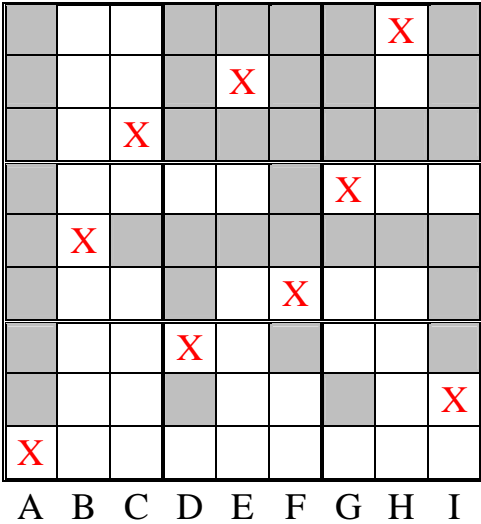


2015 EMIC Answers

Individual

1.	1001	2.	7	3.	428	4.	4	5.	1326
6.	363	7.	52	8.	8	9.	136	10.	31
11.	11	12.	98	13.	20	14.	640	15.	684

Team

1.		2.	8
3.	<p>Any of the following sequence of five operations will work.</p> <p>$2+1=3, 3+2=5, 5\times 3=15, 15+5=20, 20\sim 15=2015.$</p> <p>$2+1=3, 3+2=5, 1\sim 5=15, 15+5=20, 20\sim 15=2015.$</p> <p>$2+1=3, 3\sim 1=31, 31+3=34, 34+31=65, 31\times 65=2015.$</p> <p>$2+1=3, 3\sim 1=31, 31\times 2=62, 62+3=65, 31\times 65=2015.$</p> <p>$1\sim 2=12, 12+1=13, 13\times 12=156, 156-1=155, 155\times 13=2015.$</p> <p>$1\sim 2=12, 12+1=13, 13\times 12=156, 13\times 156=2028, 2028-13=2015.$</p> <p>$1\sim 2=12, 12+2=14, 14\times 12=168, 168\times 12=2016, 2016-1=2015.$</p> <p>$1\sim 2=12, 2\sim 12=212, 212\sim 1=2121, 212\div 2=106, 2121-106=2015.$</p> <p>$1\sim 2=12, 2\sim 12=212, 212\div 2=106, 212\sim 1=2121, 2121-106=2015.$</p> <p>$2\sim 1=21, 21\sim 2=212, 212\sim 1=2121, 212\div 2=106, 2121-106=2015.$</p> <p>$2\sim 1=21, 21\sim 2=212, 212\div 2=106, 212\sim 1=2121, 2121-106=2015.$</p>		
4.	21	5.	12
6.	#1 and #5	7.	6
8.	10°	9.	965287341
10.	15		