

Test Section		functional tests - Score calculations check						
This test section lists tests completed to check that the scores were being recorded correctly through the gameplay loop during various outcomes across all scenarios. Tests were conducted using console log messages to track the variables. Some of these are are screen grabbed below.								
Application Section		Game - the tests below are those against actions that are taken within the game						
SCENARIOS TESTED:								
Scenario 1	Medium							
Scenario 2	Very Hard							
Scenario 3	Custom game - 3x3, 4 colours, no timer							
Scenario 4	Custom game - 3x3, 6 colours, 10 seconds timer							
Scenario 5	Custom game - 4x4, 5 colours, 5 seconds timer							
Test ID	Test Description	Expected result?	Scenario tested	Result	Comments			
1	score 2 correct and three wrong, all correct should be under a minute	Expect a game score between 190 and 240 (depends on time taken)	1	Pass	Scored result = 223.16 (console.log shows the score totals and the tracking of the game score through the rounds). the score for minutes is 0script.js:888 the score for time taken is 52.49script.js:889 the current match score is 0script.js:890 the current round score is 0script.js:891 the game score is 0script.js:892 the score for minutes is 0script.js:888 the score for time taken is 52.08script.js:889 the current match score is 60script.js:890 the current round score is 112.08script.js:891 the game score is 112.08script.js:892 the score for minutes is 0script.js:888 the score for time taken is 51.08script.js:889 the current match score is 60script.js:890 the current round score is 111.08script.js:891 the game score is 223.16script.js:892 the score for minutes is 0script.js:888 the score for time taken is 54.4script.js:889 the current match score is 0script.js:890 the current round score is 0script.js:891 the game score is 223.16script.js:892 the score for minutes is 0script.js:888 the score for time taken is 55.26script.js:889 the current match score is 0script.js:890 the current round score is 0script.js:891 the game score is 223.16script.js:892 .			
					2	Pass	Scored result = 207.52 the score for minutes is 0script.js:888 the score for time taken is 43.45script.js:889 the current match score is 60script.js:890 the current round score is 103.45script.js:891 the game score is 103.45script.js:892 the score for minutes is 0script.js:888 the score for time taken is 52.79script.js:889 the current match score is 0script.js:890 the current round score is 0script.js:891 the game score is 103.45script.js:892 the score for minutes is 0script.js:888 the score for time taken is 44.07script.js:889 the current match score is 60script.js:890 the current round score is 104.07script.js:891 the game score is 207.51999999999998script.js:892 the score for minutes is 0script.js:888 the score for time taken is 52.75script.js:889 the current match score is 0script.js:890 the current round score is 0script.js:891 the game score is 207.51999999999998script.js:892 the score for minutes is 0script.js:888 the score for time taken is 53.37script.js:889 the current match score is 0script.js:890 the current round score is 0script.js:891 the game score is 207.51999999999998script.js:892	
			3	Pass			Scored result = 223.92	
			4	Pass	Scored result = 224.37			
			5	Pass	Scored result = 202.58 the score for minutes is 0script.js:888 the score for time taken is 41.19script.js:889 the current match score is 60script.js:890 the current round score is 101.19script.js:891 the game score is 101.19script.js:892 the score for minutes is 0script.js:888 the score for time taken is 52.7script.js:889 the current match score is 0script.js:890 the current round score is 0script.js:891 the game score is 101.19script.js:892 the score for minutes is 0script.js:888 the score for time taken is 52.88script.js:889 the current match score is 0script.js:890 the current round score is 0script.js:891 the game score is 101.19script.js:892 the score for minutes is 0script.js:888 the score for time taken is 41.39script.js:889 the current match score is 60script.js:890 the current round score is 101.39script.js:891 the game score is 202.57999999999998script.js:892 the score for minutes is 0script.js:888 the score for time taken is 52.9script.js:889 the current match score is 0script.js:890 the current round score is 0script.js:891 the game score is 202.57999999999998script.js:892			
					1	Pass	Scored result = 333.92	
			2	score 3 correct and two wrong, all correct should be under a minute	expect a game score between 310 and 360 (depends on time taken)	2	Pass	Scored result = 316.92
								3
						4	Pass	
								5

3	score 3 correct and two wrong, 1 correct should be over minute.	expect a game score between 280 and 330 (depends on time taken)	1	Pass	Scored result = 300.00 (Below shows console.log output with the minute+ in the 4th round, showing 30 minus from the time and match score total). <div>the score for minutes is 0script.js:888</div> <div>the score for time taken is 47.730000000000004script.js:889</div> <div>the current match score is 60script.js:890</div> <div>the current round score is 107.73script.js:891</div> <div>the game score is 107.73script.js:892</div> <div>the score for minutes is 0script.js:888</div> <div>the score for time taken is 49.81script.js:889</div> <div>the current match score is 60script.js:890</div> <div>the current round score is 109.81script.js:891</div> <div>the game score is 217.54000000000002script.js:892</div> <div>the score for minutes is 0script.js:888</div> <div>the score for time taken is 54.82script.js:889</div> <div>the current match score is 0script.js:890</div> <div>the current round score is 0script.js:891</div> <div>the game score is 217.54000000000002script.js:892</div> <div>the score for minutes is 30script.js:888</div> <div>the score for time taken is 52.46script.js:889</div> <div>the current match score is 60script.js:890</div> <div>the current round score is 82.46000000000001script.js:891</div> <div>the game score is 300script.js:892</div> <div>the score for minutes is 0script.js:888</div> <div>the score for time taken is 55.18script.js:889</div> <div>the current match score is 0script.js:890</div> <div>the current round score is 0script.js:891</div> <div>the game score is 300script.js:892</div>
			2	Pass	Scored result = 283.36. (Below shows console.log output for the minute+ round and shows that 30 was minus from the time and match score total). <div>the score for minutes is 30script.js:888</div> <div>the score for time taken is 51.53script.js:889</div> <div>the current match score is 60script.js:890</div> <div>the current round score is 81.53script.js:891</div> <div>the game score is 81.53script.js:892</div>
			3	Pass	Scored result = 308.26
			4	Pass	Scored result = 302.55
			5	Pass	Scored result = 287.77 (see screen grab of console logs below from the minute+ round). <div>the score for minutes is 30script.js:888</div> <div>the score for time taken is 51.68script.js:889</div> <div>the current match score is 60script.js:890</div> <div>the current round score is 81.68script.js:891</div> <div>the game score is 81.68script.js:892</div>
4	score 2 correct and three wrong, 1 correct should be over two minutes.	expect a game score between 130 and 180 (depends on time taken)	1	Pass	Scored result = 163.23 (Below shows console.log output for the two minute+ round and shows that 60 was minus from the correct score 60 plus the time score into the 3rd minute). <div>the score for minutes is 60script.js:888</div> <div>the score for time taken is 50.519999999999996script.js:889</div> <div>the current match score is 60script.js:890</div> <div>the current round score is 50.519999999999996script.js:891</div> <div>the game score is 163.23000000000002script.js:892</div>
			2	Pass	Scored result = 151.04 (Below shows console.log output for the two minute+ round and shows that 60 was minus from the correct score 60 plus the time score into the 3rd minute). <div>the score for minutes is 60script.js:888</div> <div>the score for time taken is 48.63script.js:889</div> <div>the current match score is 60script.js:890</div> <div>the current round score is 48.629999999999995script.js:891</div> <div>the game score is 151.04script.js:892</div>
			3	Pass	Scored result = 166.20 (Below shows console.log output with the 2 minute+ in the 1st round, showing 50 minus from the time and match score total). <div>the score for minutes is 60script.js:888</div> <div>the score for time taken is 53.33script.js:889</div> <div>the current match score is 60script.js:890</div> <div>the current round score is 53.33script.js:891</div> <div>the game score is 53.33script.js:892</div> <div>the score for minutes is 0script.js:888</div> <div>the score for time taken is 55.49script.js:889</div> <div>the current match score is 0script.js:890</div> <div>the current round score is 0script.js:891</div> <div>the game score is 53.33script.js:892</div> <div>the score for minutes is 0script.js:888</div> <div>the score for time taken is 54.8script.js:889</div> <div>the current match score is 0script.js:890</div> <div>the current round score is 0script.js:891</div> <div>the game score is 53.33script.js:892</div> <div>the score for minutes is 0script.js:888</div> <div>the score for time taken is 52.87script.js:889</div> <div>the current match score is 60script.js:890</div> <div>the current round score is 112.87script.js:891</div> <div>the game score is 166.2script.js:892</div> <div>the score for minutes is 0script.js:888</div> <div>the score for time taken is 53.21script.js:889</div> <div>the current match score is 0script.js:890</div> <div>the current round score is 0script.js:891</div> <div>the game score is 166.2script.js:892</div>
			4	Pass	Scored result = 161.18
			5	Pass	Scored result = 159.34. (Below shows console.log output with the 2 minute+ in the 1st round, showing 50 minus from the time and match score total). <div>the score for minutes is 0script.js:888</div> <div>the score for time taken is 45.64script.js:889</div> <div>the current match score is 60script.js:890</div> <div>the current round score is 105.64script.js:891</div> <div>the game score is 105.64script.js:892</div> <div>the score for minutes is 60script.js:888</div> <div>the score for time taken is 53.7script.js:889</div> <div>the current match score is 60script.js:890</div> <div>the current round score is 53.7script.js:891</div> <div>the game score is 159.34script.js:892</div> <div>the score for minutes is 0script.js:888</div> <div>the score for time taken is 53.1script.js:889</div> <div>the current match score is 0script.js:890</div> <div>the current round score is 0script.js:891</div> <div>the game score is 159.34script.js:892</div> <div>the score for minutes is 0script.js:888</div> <div>the score for time taken is 51.72script.js:889</div> <div>the current match score is 0script.js:890</div> <div>the current round score is 0script.js:891</div> <div>the game score is 159.34script.js:892</div>