

Math in Sports Competition

	(17) Five teams compete in a single round-robin tournament, where each pair of teams						
	plays one match. Question: How many matches does each team play, and how many matches						
	are played in total?						
	A. 3,9	B. 4,9		C. 4, 10		D. 3, 10	
2	(1分)Think Academy organized 8 students to play a badminton tournament in the stadium.						
	They are paired two-by-two in a knockout format, and a champion needs to be determined						
	among the 8 players. Question: How many matches will be played in total?						
	A. 1	B. 2		C. 4		D. 7	
3	(1分)Peter Emma	and Kyler play	red chess v	with each	other Peterw	on 4 dames an	nd lost 2
	(1分) Peter, Emma, and Kyler played chess with each other. Peter won 4 games and lost 2						
	games. Emma won 3 games and lost 3 games. If Kyler lost 3 games, how many games did he						
	win? (2017 AMC 8 Problems, Question #13)						
	A. 0 B.	1	C. 2		D. 3	E. 4	
4	(1分)Four soccer teams play a single round-robin tournament, where each pair of teams						
	plays one match. If the match ends in a draw, each team receives 1 point; otherwise, the						
	winning team receives 3 points and the losing team receives 0 points. It is known that the						
	scores of Teams A, B, C, and D are 7 points, 4 points, 4 points, and 1 point respectively.						
	Question: How many matches ended in a draw?						
	A. 2	B. 3		C. 4		D. 6	
5	【(1分)Five students A, B, C, D, and E play a tournament in which every pair of students plays						

one match. In each match, the winner receives 2 points, if the match ends in a draw each player

receives 1 point, and the loser receives 0 points. After all matches are finished, the total points



of A, B, C, and E are 8, 5, 2, and 2 respectively. Question: How many points did student D score?

A. **0**

B. 1

C. 2

D. 3