

**Champions League 2008**

**DATA SHEET 1**

***Possible pairs of two teams from eight***

Complete the table.

$T_1 T_2$	$T_1 T_3$	$T_1 T_4$				
	$T_2 T_3$	$T_2 T_4$				
		$T_3 T_4$				
						$T_7 T_8$

Total number of pairs for **first** match drawn =

“ “ **second** “ =

“ “ **third** “ =

“ “ **fourth** “ =

Total number of possibilities =  ×  ×  ×

(when order counts)

=

**Champions League 2008**  
*Number of orders of four matches*

**DATA SHEET 2**

A	B	C	D
A	B	D	C
A	C	B	D
A	D		
A			
A			
B			
B			
B			
B			
B			
B			


Total number of possibilities =

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**Champions League 2008**  
***Combining teams into pairs***

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**DATA SHEET 3****Combining 4 English teams into pairs**

$E_1 E_2$	$E_3 E_4$

**Combining non-English teams into pairs**

$R_1 R_2$	$R_3 R_4$

**Total number of possibilities with two pairs of English teams**

$$= \boxed{\phantom{00}} \times \boxed{\phantom{00}}$$

$$= \boxed{\phantom{00}}$$