

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)

=

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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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Combining teams into pairs

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

$$= \boxed{} \times \boxed{}$$

$$= \boxed{}$$