Using Factors

39		18		4		6	
18	48	12	8	36	52	16	18
12		?		20		40	
30	2	72	33	36	21	12	27
54		48		20		?	
?	22	30	4	44	42	16	14
8		10		6		12	
6	78	32	24	3	60	?	9
15		26		24		28	

Each rectangle represents a card from a pack of cards. Each card has been assigned a number : all clubs have been multiplied by 2, diamonds by 3, hearts by four and spades by 6.

jack = 11   queen = 12

king = 13   ace = 1

So that the king of hearts is given the value 13 x 4 = 52.

No card is placed beside one of the same suit. Identify the four cards assigned a question mark.

Solution

K d		3 s		A h		2 d	
9 c	8 s	4 d	2 h	Q d	K h	8 c	6 d
3 h		9 h		5 h		10 h	
10 d	A c	Q s	J d	6 s	7 d	6 c	9 d
9 s		Q h		10 c		J s	
8 d	J c	5 s	2 c	J h	7 s	4 h	7 c
4 c		5 c		A s		2 s	
3 c	K s	8 h	4 s	A d	10 s	Q c	3 d
5 d		K c		6 h		7 h	