Each box below representsa card from a standard pack of playing cards.

Each card has been assigned a number.

Clubs () have been muliplied by 2.

Diamonds () have been muliplied by 3.

Hearts () have been muliplied by 4.

Spades () have been muliplied by 6.

Jack has a value of 11

Queen has a value of 12

King has a value of 13

Ace has a value of 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. Find where all the cards are situated and identify the four cards assigned a question mark.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 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 |  |
| 15 | 78 | 32 | 24 | 3 | 60 | ? | 9 |
| 6 |  | 26 |  | 24 |  | 28 |  |

Solution

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| K |  | 3 |  | A |  | 2 |  |
| 9 | 8 | 4 | 2 | Q | K | 8 | 6 |
| 3 |  | 9 |  | 5 |  | 10 |  |
| 10 | A | Q | J | 6 | 7 | 6 | 9 |
| 9 |  | Q |  | 10 |  | J |  |
| 8 | J | 5 | 2 | J | 7 | 4 | 7 |
| 4 |  | 5 |  | A |  | 2 |  |
| 5 | K | 8 | 4 | A | 10 | Q | 3 |
| 3 |  | K |  | 6 |  | 7 |  |