THE 25 HORSES PROBLEM

- The horses are divided into 5 groups of 5 horses each.
- Group-wise the horses are made to run.(MATCH 1 to 5)
- The top three horses of each race have to be selected.
- The horses that had arrived at the first place of each match (match 1 to 5) have to be contested against each other.(MATCH 6)
- The horse that arrives at the first place of this match (match 6) is declared 'fastest'.
- In the next match the second and third places of MATCH 6, the second and third places against the 'fastest' horse of match –(one of the matches) 1 to 5, and the second place against the second fastest horse (of match 6) during the first set of matches have to be contested against each other.(MATCH 7)
- The first and second places of the match- 7 is the declared 'second fastest' and 'third fastest' respectively.

Ans: 7-MATCHES

Explanation:

- The horses are divided into 5 groups: A, B, C, D, E
- After the matches 1 to 5 the horses are named A₁, A₂, A₃; B₁, B₂, B₃; C₁, C₂D₁, D₂......E₁, E₂......etc respectively according to the positions they secured in the race
- All the horses that had arrived at the first place of each match (match 1 to 5) have to be contested against each other in match 6 i.e. A₁, B₁, C₁, D₁, E₁ contested against each other in match-6.
- In the next match the second and third places of MATCH 6, the second and third places against the 'fastest' horse of match –(one of the matches) 1 to 5, and the second place against the second fastest horse (of match 6) during the first set of matches have to be contested against each other.(MATCH 7).

i.e.:

Let us assume that the winners of match-6 are B_1 , C_1 and D_1 in the first, second and third positions respectively, then B_1 is termed the **'fastest'** In match-7:

B₂, B₃, C₁, C₂, D₁ shall contest against each other. The first position and second position of this race is termed the **'second fastest'** and the **'third fastest'** respectively.