

54 Joins

Using four numbers:

the highest score is $19 + 15 + 17 + 18 = 69$,

the lowest score is $6 + 5 + 2 + 17 = 30$.

Using five numbers:

the highest is $20 + 18 + 13 + 17 + 18 = 86$,

the lowest is $6 + 18 + 2 + 5 + 6 = 37$.

Using five numbers and diagonal joins:

the highest is $19 + 17 + 14 + 15 + 18 = 83$,

the lowest is $13 + 6 + 20 + 2 + 6 = 47$.