

Solution for Less is More NRICH primary live problem

Hello NRICH team,

This is Shivaprasad Sriram from Chennai, India.

I worked on Less is More (<https://nrich.maths.org/problems/less-more>) NRICH primary live problem as part of the STEPS IN MATH program conducted by The GYM Foundation.

(<https://thegymfoundation.com/stepsinmath>)

Please find my scanned copy of handwritten solution below for the Less is more problem.

First I took 1 2 3 4 5 6 7 8. I put
somewhere, but I could get more
score. The number I put was
2 1 < 3 4 and 5 6 < 7 8. My score was
77. Then I found the strategy. I first
arranged it in ascending order, and then
I took two groups of 4. first I put the last
group in the tens place like $\overset{\textcircled{1}}{7} _ _ _ \overset{\textcircled{2}}{8} _ _ _$
 $\overset{\textcircled{3}}{5} _ _ _ \overset{\textcircled{4}}{6} _ _ _$. Then I put the highest
two numbers from the first group in 1 and
3. It will become $\overset{\textcircled{1}}{7} \overset{\textcircled{3}}{3} _ _ \overset{\textcircled{2}}{8} \overset{\textcircled{4}}{1}$
 $\overset{\textcircled{3}}{5} \overset{\textcircled{4}}{4} _ _ \overset{\textcircled{2}}{6} \overset{\textcircled{1}}{2}$, so the total score is 270.