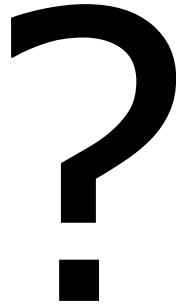


eBNI2020 CHALLENGE TROPHY

PROBLEM SOLVING

As in previous years, we cannot tell you what the problem this year will be; it wouldn't be much of a problem if we did. However



.....whatever the problem, your score will be maximized by *working as a team*, not necessarily on the same *part*, but on 'the problem.' If you leave one person doing all the work, your score will plummet.

Teamwork, lateral thinking, teamwork, decisiveness and teamwork are the keys to problem solving. Make sure you all understand how you intend to deal with the problem and, if possible, what each member of the team is going to do to achieve it. Don't let anything distract you while you are working and *keep thinking!* For practice, here is a little problem that will challenge you.

Produce a numerical solution to:-

CROSS
ROADS
DANGER Where $S = 3$.

Time allowed: 1 hour