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SOMCHIT KHUMTHANORM : MATHEMATICS APTITUDE TEST FOR ENTRANCE TO  
STUDY IN SCIENCE AND TECHNOLOGY IN VOCATIONAL LEVEL OF INDUSTRIAL  
TECHNOLOGY. THESIS ADVISORS : SOMPHONG THONGCHAI, M.Sc., PROFESSOR BOONTHAM  
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The objective of this study was to investigate basic knowledge of mathematics compared to chess and draughts skills on 616 junior high school students who were candidates to study vocational level on industrial technology area in Kanchanaburi province. The method was carried out through 55 items of a mathematics aptitude test of the candidates within 30 minutes. The studied candidates were divided into 3 groups, Comparing of non-ability to play both chess and draughts, ability to play draughts only ability to play both chess and draughts groups.

The result showed that candidates who were not able to play both chess and draughts received 19.38 average scores. Those who were able to play only draughts received 19.96 average scores and those who were able to play both kinds of games received 19.93 average scores. The scores of the three groups were not significantly different at 0.05 alpha level.