

The Effectiveness of a Suggested Training Program Based on Life Applications for Mathematics on Developing Mathematical Sense and Teaching performance for Female – Teachers of Community Education Schools

Abstract:

The current study aimed at exploring the effectiveness of a suggested training program based on life applications for mathematics on developing mathematical sense and teaching performance for female – teachers of community education schools. The researcher prepared a training program Life based on life applications. The researcher also prepared mathematical sense test and observation sheet for teaching performance . The study sample consisted of (24) female – teachers of community education schools at Fayoum .. It consisted of (12) female – teachers as an experimental group , and (12) female – teachers as a control group . The researched administered the study tools to gain Pre-data , then trained the experimental group on program for life applications for mathematics, Finally the researcher administered the tools to gain post data .

The study results revealed that the experimental group performed better than the control one in the post administration of mathematical sense test in every skill, and in the test as a whole . In addition , the experimental group performed better than the control one in observation sheet for teaching performance in every skill, and in the sheet as a whole . The results revealed also that there is a significant positive correlation between the experimental group scores in the post administration of both mathematical sense test and observation sheet for teaching performance . The study recommended training female – teachers of community education schools on using life applications for mathematics on teaching mathematics, and how to design them for educational lessons and including topics that address mathematical sense and teaching performance .

Key Words: Training Program , Life Applications for Mathematics , Mathematical Sense , Female – Teachers of Community education Schools.