



Think-Talk-Write Model for Improving Students' Abilities in Mathematical Representation

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Mathematical representation is an important skill in mathematics learning that enables students to interpret and solve problems with ease. However, building confidence in such a skill can be difficult for some students, especially for those who lack self-motivation skills. Therefore, this study examines the effects of the think-talk-write strategy and the expository strategy on students' abilities in mathematical representation in order to understand the relationship between mathematical representation and self-efficacy. In this study, a Quasi-Experiment design comprising the experiment group and the control group was applied. Learning process by Think-talk-write (TTW) strategy was implemented in the experiment group only. On the other hand, the learning process in the control group was accomplished without the TTW strategy. The sample in this study comprised students of the eighth grade studying geometry and spatial relations at a public junior high school. For the purpose of this study, two groups were created: 1) an experimental group, in which the think-talk-write strategy was employed, and 2) a control group, in which the expository approach was applied. In addition, mathematical representation ability and self-efficacy scale tests were used as the instruments of this quasi-experimental study.

Keywords: mathematical representation, self-efficacy, learning strategy, expository strategy, think-talk-write strategy

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INTRODUCTION

Mathematical representation is a key concept in mathematics learning that enables students to interpret and solve problems with ease. In this regard, the National Council of Teachers of Mathematics (2000) indicated that students need to master three aspects in order to effectively solve mathematical problems: select, apply, and translate. In addition, due to the demands of current mathematics curriculums, students are presented with open problem-solving tasks (Chick & Watson, 2001) in which mathematical representation can be applied to externalize and present their findings (Kalathil & Sherin, 2000). However, building confidence in such a skill can be difficult for some students, especially for those that lack self-motivation.

Previous research on mathematical representation has only focused on students' cognition abilities (Minarni et al., 2016). However, numerous studies on students' self-efficacy in mathematics have been conducted, including one that examined their performance experiences (Bandura, 1997). Other studies have also investigated the relationship between self-efficacy and students' achievements (Rutherford et al., 2017; Skaalvik et al., 2015; Xu & Jang, 2017). Previous studies have also shown that students with high self-efficacy tend to have higher academic performance (Siriparp, 2015), and that greater confidence in learning not only increases performance but also improves problem-solving efficiency (Hoffman & Spataru, 2008). However, research on students' self-efficacy in mathematical representation has been limited. As a consequence, it is necessary to study the relationship between self-efficacy with mathematical representation through certain learning strategy. Therefore, this study examines the effects of the think-talk-write strategy and the expository strategy on students' abilities in mathematical representation in order to understand the relationship between mathematical representation and self-efficacy. The think-talk-write strategy is a cooperative learning model comprises stage of think, talk, and write. This strategy constructs thought, reflection, and organizes ideas. Subsequently, students should write based on their ideas. The think-talk-write includes 3 phases consist of (1) Students learn the material (thinking), (2) Students discuss the results of learning material (talk), (3) Students write the ideas obtained from talk phase (write).

LITERATURE REVIEW

Mathematical representation plays a role in improving the understanding of mathematical concepts and solving mathematical problems of students. In that way, the mathematical representation enables students in solving an abstract mathematical problems become real. Mathematical representation can be presented in visual (e.g., charts, tables, sketches/drawings, and diagrams) and non-visual representations (e.g., mathematical equations and models) (Minarni et al., 2016; Thompson & Chappell, 2007). Numerous studies related to visual representations have been conducted to discuss various problem solving of the word problem (Epstein et al., 2010; Geeslin & Shavelson, 1975; Güler & Author, 2011; Stylianou & Silver, 2009; Thompson & Chappell, 2007; Webel et al., 2016), with additional studies on the use of technology in mathematical representation (Kendal & Stacey, 2003; Ohlsson, 1998; Reilly et al., 1997) and on the elements used to generate relationships in mathematics learning (Moon

at al., 2013). Moreover, mathematical representation research related to socio-economics has been carried out (Boulton-Lewis & Halford, 1992; Martínez-Sierra at al., 2015; Minibaeva at al., 2016; Moon at al., 2013).

According to Goldin (2002), mathematical representation is one way to express mathematical ideas, which, in turn, enables students to understand a mathematical concept and determine the solution to a mathematical problem. Other research has highlighted the association between high-order thinking and mathematical representation (Tajudin & Chinnappan, 2016). Hence, the importance of improving students' abilities in mathematical representation that has emerged in the learning of mathematics is in line with previous research (National Research Council, 2001).

Finally, due to the abstract nature of mathematical concepts, mathematical representation has become necessary in order to make it easier for students to solve difficult mathematical problems. Although one study indicated that mathematical representation actually delays mathematical problem-solving and communication among students (Mckendree at al., 2002), the general opinion confirmed that the use of representation in mathematics learning was very important (Gulkilik & Arian, 2012).

METHOD

Research Design

This study employed a quasi-experimental approach with a 2 x 3 factorial design (see Table 1). This form of experimental design has a control group. However, it was not sufficiently controlled the outside variables that affected the implementation of the experiment (Sugiyono, 2013). More specifically, it utilized a non-equivalent control group design. Sampling was carried out by simple random sampling.

Table 1
The 2 x 3 Factorial Design

Learning Strategy	Self-Efficacy		
	High (B ₁)	Moderate (B ₂)	Low (B ₃)
Expository (A ₁)	A ₁ B ₁	A ₁ B ₂	A ₁ B ₃
Think-talk-write (A ₂)	A ₂ B ₂	A ₂ B ₂	A ₂ B ₃

Explanation:

A₁ = Students who applied the expository strategy

A₂ = Students who applied the think-talk-write strategy

B₁ = Students with high self-efficacy

B₂ = Students with moderate self-efficacy

B₃ = Students with low self-efficacy

A₁ B₁ = Students with high self-efficacy who applied the expository strategy

A₂ B₁ = Students with high self-efficacy who applied the think-talk-write strategy

A₁ B₂ = Students with moderate self-efficacy who applied the expository strategy

A₂ B₂ = Students with moderate self-efficacy who applied the think-talk-write strategy

A₁ B₃ = Students with low self-efficacy who applied the expository strategy

A₂ B₃ = Students with low self-efficacy who applied the think-talk-write strategy

This study applied two learning strategies: 1) the expository strategy in the control group, and 2) the think-talk-write strategy in the experimental group. In each group, the participants were divided into three sub-groups (high, moderate, and low self-efficacy), thus totalling up to six groups of students.

Participants

This experimental research was conducted at Junior High School in Semarang, Indonesia. The participants comprised 288 students of the eighth grade studying geometry and spatial relations, of which 64 students were sub-divided into two classes: the experimental group (32 students) and the control group (32 students). In the experimental class, subgroups were formed, consisted of 3-5 students, while in the control group, no subgroup was formed. Both the experimental class and group applied the same instruments and tools for in their learning process. During the treatment, the students' activities of both groups were observed three times.

Data Collection

For the purpose of this study, students' self-efficacy and mathematical representation ability scores were required. The self-efficacy scores were determined by a 30-item self-efficacy scale that have been tested for validity and reliability, while a mathematical representation ability test was used to determine the scores for this ability. Statements were made in the form of positive and negative statements aimed to find variation of student answers. First, the self-efficacy scale, developed by Sherer and Maddux (1982) and modified by Lee and Cheng (2012), was used to measure the students' certainty regarding their ability to solve mathematical problems. The items in this scale included authentic experience, vicarious experience, social persuasion, and the generation of emotions. The sources could be developed as statements on the questionnaire. The boundaries of each category were based on ideal values/scores and deviation standards. In order to scale the responses, a likert-type scale ranging from strongly agree to strongly disagree was employed. Second, a trial mathematical representation ability test comprising five essay questions that have been tested for validation were presented to the experimental group and the control group. The results of the trial test were analyzed, after which the findings were applied to the final mathematical representation ability test for both the groups.

Finally, before testing the hypothesis, the research data were analyzed using the Shapiro-Wilk test and the variance homogeneity test. In addition, a two-way analysis of variance (ANOVA) and the Scheffe post-hoc test were applied to analyze the differences between the groups. All the hypothesis testing was performed using the SPSS software at a significance level of 0.05.

FINDINGS

The differences in the mathematical representation abilities between the students exposed to the expository strategy (A1) and those exposed to the think-talk-write strategy (A2) are presented in Table 2. The results also reveal that there are differences in the mathematical representation abilities between the students with high self-efficacy

(B1), moderate self-efficacy (B2), and low self-efficacy (B3). Regarding the interactions in learning, there is an interaction effect between the learning strategies (A) and self-efficacy (B).

Table 2
ANOVA (2×3)

Source Variance	F _{count}	F _{table} ($\alpha = 0.05$)	Decision Test
A	63.82	4.01	H _{0A} rejected
B	24.56	3.16	H _{0B} rejected
Interactions A and B	3.86	3.16	H _{0AB} rejected

Note: Significance level $\alpha = 0.05$

The results of the ANOVA showed that H_{0A} is rejected, indicating that there are differences in the mathematical representation abilities between the students who applied the expository strategy (A₁) and those who applied the talk-think-write strategy (A₂). In addition, the findings indicated that H_{0B} is rejected, which indicates that there are differences in the mathematical representation abilities between the students with high self-efficacy (B₁), moderate self-efficacy (B₂), and low self-efficacy (B₃). Another calculation confirmed that H_{0AB} is rejected, showing that there is an interaction effect between the learning strategies (A) and self-efficacy (B). Furthermore, the marginal means of the 2 x 3 factorial design are presented in Table 3.

Table 3
Marginal Means of the Factorial Design (2×3)

Learning Strategy	Self-Efficacy			Average Marginal
	High (B ₁)	Middle (B ₂)	Low (B ₃)	
Expository (A ₁)	74.29 (A ₁ B ₁)	62.67 (A ₁ B ₂)	53.00 (A ₁ B ₃)	63.32 (A ₁)
Think-talk-write (A ₂)	82.00 (A ₂ B ₁)	75.92 (A ₂ B ₂)	72.73 (A ₂ B ₃)	76.88 (A ₂)
Average marginal effect	78.14 (B _{.1})	69.29 (B _{.2})	62.86 (B _{.3})	

The implications of the results in Table 3 are presented in Tables 4 to 8.

Table 4
Scheffe's Test regarding the Main Effect between the Learning Strategies

Comparison	H ₀	H ₁	F _{count}	F _{0.05;1;58}	Decision Test
A ₁ vs A ₂	A ₁ = A ₂	A ₁ ≠ A ₂	268.39	4.01	H ₀ rejected

The findings of Scheffe's post-hoc test between A₁ and A₂ showed that H₀ is rejected, indicating that differences exist in the mathematical representation abilities between the students exposed to the expository strategy and those exposed to the think-talk-write strategy. Moreover, the results of the average group comparison showed that the average marginal effect for A₁ is greater than that for A₂ (see Table 4). This finding indicates that the effect of the mathematical representation ability test on the students in the experimental group is higher than that on the students in the control group.

Table 5
Scheffe's Test regarding the Main Effect among Self-Efficacy

Comparison	H ₀	F _{count}	F _{0.05;2;58}	Decision Test
B _{.1} vs B _{.2}	B _{.1} = B _{.2}	18.38	2 (3.16) = 6.32	H ₀₁ rejected
B _{.1} vs B _{.3}	B _{.1} = B _{.3}	50.04	2 (3.16) = 6.32	H ₀₂ rejected
B _{.2} vs B _{.3}	B _{.2} = B _{.3}	10.93	2 (3.16) = 6.32	H ₀₃ rejected

As shown in Table 5, H₀₁ is rejected, indicating that differences exist in the mathematical representation abilities between the students with high self-efficacy (B_{.1}) and those with moderate self-efficacy (B_{.2}), and between the students with high self-efficacy (B_{.1}) and those with low self-efficacy (B_{.3}). Furthermore, H₀₃ is rejected, showing that there are differences in the mathematical representation abilities between the students with moderate self-efficacy and those with low self-efficacy. Furthermore, a comparison of the mean groups showed that the average marginal effect for B1 was greater than that for B2.

Table 6
Scheffe's Test regarding the Simple Effect among Self-Efficacy

Comparison	H ₀	F _{0.05;5;58}	Decision Test
A ₁ B ₁ vs. A ₂ B ₁	A ₁ B ₁ = A ₂ B ₁	23.06	H ₀₁ rejected
A ₁ B ₂ vs. A ₂ B ₂	A ₁ B ₂ = A ₂ B ₂	103.95	H ₀₂ rejected
A ₁ B ₃ vs. A ₂ B ₃	A ₁ B ₃ = A ₂ B ₃	186.33	H ₀₃ rejected

Table 6 shows that H₀₁ is rejected, confirming that there are differences between the mathematical representation abilities of the students with high self-efficacy that applied the expository strategy (A₁ B₁) and those that employed the think-talk-write strategy (A₂ B₁). In addition, H₀₂ is rejected, showing that there are differences in the mathematical representation abilities between the students with moderate self-efficacy that used the expository strategy (A₁ B₂) and those that applied the talk-think-write strategy (A₂ B₂).

Table 7 shows that there are differences between the mathematical representation abilities of the students with low self-efficacy that applied the expository strategy (A₁ B₃) and those that used the think-talk-write strategy (A₂ B₃). Moreover, a comparison of the groups confirms that (A₁ B₁) = 74.29 < (A₂ B₁) = 82.00, indicating that the students with high self-efficacy who employed the think-talk-write strategy have an average proficiency score greater than that for the students who used the expository strategy. Furthermore, a second comparison confirms that (A₁ B₂) = 62.68 < (A₂ B₂) = 75.91, showing that the students with moderate self-efficacy who used the think-talk-write strategy have an average proficiency score that is greater than that for the students who applied the expository strategy. The third comparison, (A₁ B₃) = 53.00 < (A₂ B₃) = 72.73, shows that the students with low self-efficacy who applied the think-talk-write strategy have an average proficiency score that is greater than that for the students who employed the expository strategy.

Table 7

Scheffe's Test regarding the Interaction Effect between the Expository Strategy and Self-Efficacy

Comparison	H ₀	F _{count}	F _{0,05;5;58}	Decision Test
A ₁ B ₁ vs. A ₁ B ₂	A ₁ B ₁ = A ₁ B ₂	14.69	5 (2.37) = 11.85	H ₀ rejected
A ₁ B ₁ vs. A ₁ B ₃	A ₁ B ₁ = A ₁ B ₃	175.61	5 (2.37) = 11.85	H ₀ rejected
A ₁ B ₂ vs. A ₁ B ₃	A ₁ B ₂ = A ₁ B ₃	53.27	5 (2.37) = 11.85	H ₀ rejected

Table 7 also shows that H₀₁ is rejected, indicating that there are differences in the mathematical representation abilities between the students with high self-efficacy who used the expository strategy (A₁B₁) and those with moderate self-efficacy (A₁B₂). The results also show that H₀₂ is rejected, indicating that there are differences in the mathematical representation abilities between students with high self-efficacy (A₁B₁) who applied the expository strategy and those with low self-efficacy (A₁B₃). Furthermore, there are differences in the mathematical representation abilities between students with moderate self-efficacy (A₁B₂) who used the expository strategy and those with low self-efficacy (A₁B₃).

A comparison of the groups confirms that (A₁B₁) = 74.29 > (A₁B₂) = 62.67, showing that students with high self-efficacy who applied the expository strategy have a higher average score on the mathematical representation ability test than those with moderate self-efficacy. Moreover, the findings show that (A₁B₁) = 74.29 > (A₁B₃) = 53.00, indicating that students with high self-efficacy who employed the expository strategy have a higher average score on the mathematical representation ability test than those with low self-efficacy. Another comparison also shows that (A₁B₂) = 62.67 > (A₁B₃) = 53.00, illustrating that students with moderate self-efficacy who applied the expository strategy have a higher average score on the mathematical representation ability test than those with low self-efficacy.

Table 8

Scheffe's Test regarding the Interaction Effect between the Think-Talk-Write Strategy and Self-Efficacy

Comparison	H ₀	F _{count}	F _{0,05;5;58}	Decision Test
A ₂ B ₁ vs. A ₂ B ₂	A ₂ B ₁ = A ₂ B ₂	17.76	5 (2.37) = 11.85	H ₀ rejected
A ₂ B ₁ vs. A ₂ B ₃	A ₂ B ₁ = A ₂ B ₃	41.17	5 (2.37) = 11.85	H ₀ rejected
A ₂ B ₂ vs. A ₂ B ₃	A ₂ B ₂ = A ₂ B ₃	5.08	5 (2.37) = 11.85	H ₀ rejected

Table 8 shows that there are differences in the mathematical representation abilities between students with high self-efficacy (A₂B₁) that applied the think-talk-write strategy and those with moderate self-efficacy (A₂B₂). In addition, there are differences in the mathematical representation abilities between students with high self-efficacy (A₂B₁) who used the think-talk-write strategy and those with low self-efficacy (A₂B₃). The table also shows that H₀₃ is rejected, indicating that there are no differences in the mathematical representation abilities of students with moderate self-efficacy (A₂B₂) who employed the think-talk-write strategy and those with low self-efficacy (A₂B₃). Furthermore, a comparison of the groups shows that (A₂B₁) = 82.00 > (A₂B₂) = 75.919,

indicating that students with high self-efficacy who utilized the think-talk-write strategy have a higher average score on the mathematical representation ability test than those with moderate self-efficacy. The results also show that A_2B_1 is greater than A_2B_3 ($82.00 > 72.73$), meaning that students with high self-efficacy who used the think-talk-write strategy have a higher average score on the mathematical representation ability test than those with low self-efficacy.

Overall, the mathematical representation ability scores of the experimental group were better than those of the control group. This was confirmed by examining the answers to the following question in Figure 1 and Appendix:

Problem: "A pyramid has a base with a right triangle. The lengths of the two sides of the right triangle are 6 cm and 8 cm, with a height of 12 cm. Then, both the lengths of the two sides as well as the height of the pyramid were enlarged twice. Calculate the volume of the pyramid."

Figure 1 Mathematical Problem for Mathematical expressions ability

The student answers are evaluated according to Scoring Guideline as presented in Table 10.

Table 10

The Scoring Guidelines for Mathematical Representation

Score	Written Texts	Visual Representation	Mathematical expressions
4	The explanation is mathematically plausible, clear and logically arranged.	Describe diagram/ picture completely, correct and systematic.	Find the mathematical model correctly, then do the calculation or obtain the solution accurately and systematically
3	The explanation is mathematically plausible and correct. However, it is not logically arranged or there are few language errors	Describe diagrams/ drawings, but the answers are incomplete and inaccurate	Find the mathematical model correctly, then obtain the solution but miscalculation
2	The mathematical is mathematically understandable and correct but only partially complete	Describe diagrams/ drawings, but less explanation	Finding the mathematical model correctly, but wrong in obtaining the solution
1	Just a few of the correct explanations	Just a few of the drawings/diagrams, but less complete and inaccurate	Just a few of the correct mathematical models.
0	There is no answer, even though answer is found, it shows ignorance of concept and hence the given information is not significance		

The sample of answer between the control group and the experimental group are shown in Figures 2 and 3.

Given : length of pyramid base = 6 cm and 8 cm
Height = 12 cm

Question : Volume (V) = ?

Answer : Length of base = $6 \times 8 \times 2$ cm
= 96 cm

Height (h) = $12 \times 2 = 24$ cm

$V = \frac{\text{Area of base} \times h}{3}$

$V = \frac{12 \times 16 \times 24}{3} = \frac{4608}{3} = 1536 \text{ cm}^3$

Figure 2 One Sample of Answer to the Mathematical Problem from the Control Group

Based on the scoring guidelines, the answer in Figure 2 received a score of 2, indicating that the student could correctly determine the mathematical model but was unable to obtain the correct solution.

Given : length of base = 6 cm and 8 cm. If enlarged 2 times then the length is 12 and 16 cm
Height (h) is 12 cm. If enlarged 2 times then 24 cm

Question : Volume of pyramid

Answer : $V = \frac{1}{3} \times \text{Area} \times \text{height} = \frac{1}{3} \times 96 \times 24$
= $\frac{1}{3} \times \frac{a \times b}{2} \times h = 32 \times 24$
= $\frac{1}{3} \times \frac{12 \times 16}{2} \times 24 = 768 \text{ cm}^3$

Figure 3 One Sample of Answer to the Mathematical Problem from the Experimental Group

Based on the scoring guidelines, the answer in Figure 3 received a score of 4, which indicates that the student was able to correctly determine the mathematical model as well as obtain the correct solution. The sample of students' answers to the mathematical representation ability test question (written texts and visual representation) are presented consecutively in Figure 4 and Figure 5.

- a. Pentagon line, because the base is Pentagon
- b. 6 sides
KLMNO, KPL, LPM, MPN, NPO, ~~OPK~~ and OPK
- c. Triangle and pentagon
- d. 10 ribs
KL, MN, NO, OK, LP, MP, NP, OP, KP, LM
- e. 6 angles
K, L, M, N, O, P

Figure 4. One Sample of Answer to the Mathematical Problem for written texts ability (score 4)

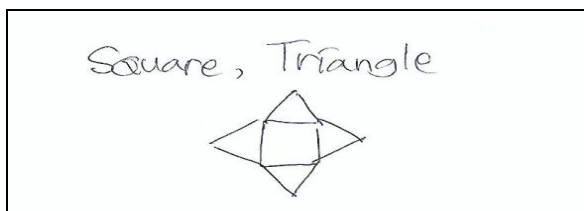


Figure 5. One Sample of Answer to the Mathematical Problem for visual representation ability (score 2)

The percentages of indicators regarding the achievement of the mathematical solving problem are shown in Table 11.

Table 11

Percentage Indicators Regarding the Achievement of the Mathematical Problems

Indicator	Experimental group	Control group
Visual	40.63%	21.88%
Mathematical expressions	25.00%	15.66%
Written texts	43.75%	18.75%

According to Table 11, for visual representations, 13 students (40.63%) in the experimental group correctly answered the mathematical problem, whereas only seven students (21.88%) in the control group correctly answered the problem. For mathematical expressions, eight students (25%) in the experimental group correctly answered the problem, compared to the five students (15.63%) in the control group. Finally, for written texts, 14 students (43.75%) in the experimental group correctly answered the problem, compared to the six students (18.75%) in the control group.

DISCUSSION AND CONCLUSION

This study examined the effects of the think-talk-write strategy and the expository strategy on students' abilities in mathematical representation in order to understand the relationship between mathematical representation and self-efficacy. For the purpose of this study, two learning strategies were employed: 1) the expository strategy in the control group and 2) the think-talk-write strategy in the experimental group. In each group, the participants were sub-divided into three groups according to high, moderate, and low self-efficacy. Hence, a total of six groups of students were arranged. In addition, the mathematical representation ability and self-efficacy scale tests were used as instruments to measure the students' abilities in mathematical representation as well as their self-efficacy levels.

Through multiple methods, including the ANOVA and Scheffe's post-hoc method, differences in the mathematical representation abilities between students who used the expository strategy and those who applied the think-talk-write strategy were found. More specifically, the analyses indicated that students who employed the latter strategy had greater abilities in mathematical representation than those who used the former strategy. The results also indicated that there are differences in the mathematical representation abilities of students according to their self-efficacy levels, with the higher

levels of self-efficacy indicating greater confidence in such abilities. Furthermore, there was the effect of learning strategies on the interaction of self-efficacy and mathematical representation.

Based on the authors' class observations during the learning process with the think-talk-write strategy, many students were enthusiastic about learning mathematics, and actively presented questions and competitively addressed the problems and answers. Moreover, the students were eager to improve their mathematical representation abilities. Conversely, many students in the control group avoided the discussions and were embarrassed to answer any mathematical question. According to these observations, it is confirmed that the students in the experimental group had greater self-confidence in their mathematical representation abilities than those in the control group. The ability of mathematical representation in the experimental group is better than the control group for a visual presentation, mathematical expressions, or written text with a percentage of 36.46% (the control class is 18.76%). Hence, the treatment of learning strategies can improve students in developing ideas of answers to solve mathematical problems.

Thus, students with high self-efficacy had a higher average score on the mathematical representation ability test than those with moderate or low self-efficacy. In addition, students with moderate self-efficacy had a higher average score on the mathematical representation ability test than those with low self-efficacy. More specifically, students with high self-efficacy had greater confidence in completing their tasks and clearly presenting their mathematical thinking processes, while students with moderate self-efficacy only performed the tasks set by the teacher. Meanwhile, students with low self-efficacy were easily frustrated and eventually gave up when the task became difficult. Thus, the findings show that the level of self-efficacy significantly affects students' mathematical representation abilities.

The implication of the findings is that the self-confidence levels of students can be applied in learning models in order to map their academic achievement. Therefore, it is important for scholars and academicians to continue focusing on different ways in order to improve the self-efficacy of students. Finally, although this study utilized two strategies (the think-talk-write strategy and the expository strategy) and examined their effects on a sample of junior high school students, future studies should not only investigate other approaches for increasing students' self-efficacy in mathematics but should also focus on a larger demographic in order to generalize the results of this study.

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Appendix

1. Mathematical problem of visual representation

Students take one of the gift boxes as illustrated in the picture and have it cut.

- What is the shape of the cutting?
- Sketch the answer of (a)



2. Mathematical problem of Written Texts

Observe the following Figure.

- What is the name of the 3D geometric shape of the image? Give your reason!
- How many sides does the shape have? Mention!
- What is the type of sides that formed the image? Mention!
- How many edges does the image have? Mention!
- How many vertexes does the image have? Mention!

