

Problem Solving With I-THINK

Individually think about the problem.

Talk about the problem.

Self Monitoring:



What did you do that helped you understand the problem?

Did you find any numbers or information you didn't need? How did you know?

How can it be solved?



Identify a strategy to solve the problem.

Notice how your strategy helped you solve the problem.

Self Monitoring:



Did you try something that didn't work? How did you figure out it was not going to work out?

Keep thinking about the problem. Does it make sense? Is there another way to solve it?



Self Monitoring:

Did you think about your answer after you got it?

How did you decide your answer was right?

(Adapted from Van de Walle, Karp, and Bay-Williams 2010, p.47)

Problem Solving With I-THINK

Individually think about the problem.

Talk about the problem.

Self Monitoring:



What did you do that helped you understand the problem?

Did you find any numbers or information you didn't need? How did you know?

How can it be solved?



Identify a strategy to solve the problem.

Notice how your strategy helped you solve the problem.

Self Monitoring:



Did you try something that didn't work? How did you figure out it was not going to work out?

Keep thinking about the problem. Does it make sense? Is there another way to solve it?



Self Monitoring:

Did you think about your answer after you got it?

How did you decide your answer was right?

(Adapted from Van de Walle, Karp, and Bay-Williams 2010, p.47)

Problem Solving With I-THINK

Individually think about the problem.

Talk about the problem.

Self Monitoring:



What did you do that helped you understand the problem?

Did you find any numbers or information you didn't need? How did you know?

How can it be solved?



Identify a strategy to solve the problem.

Notice how your strategy helped you solve the problem.

Self Monitoring:



Did you try something that didn't work? How did you figure out it was not going to work out?

Keep thinking about the problem. Does it make sense? Is there another way to solve it?



Self Monitoring:

Did you think about your answer after you got it?

How did you decide your answer was right?

(Adapted from Van de Walle, Karp, and Bay-Williams 2010, p.47)

Problem Solving With I-THINK

Individually think about the problem.

Talk about the problem.

Self Monitoring:



What did you do that helped you understand the problem?

Did you find any numbers or information you didn't need? How did you know?

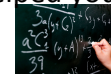
How can it be solved?



Identify a strategy to solve the problem.

Notice how your strategy helped you solve the problem.

Self Monitoring:



Did you try something that didn't work? How did you figure out it was not going to work out?

Keep thinking about the problem. Does it make sense? Is there another way to solve it?



Self Monitoring:

Did you think about your answer after you got it?

How did you decide your answer was right?

(Adapted from Van de Walle, Karp, and Bay-Williams 2010, p.47)

Student Name: _____

Activity Title: _____

Individual thoughts about the problem:

Talk about what the problem is asking you to find:



How can it be solved?



Strategy I would use:

Work:



My final response is:

This response makes sense because:



Name: _____ Problem: _____

I-THINK Scoring Rubric

	4 Points	3 Points	2 Points	1 Point
Understand	Response indicates insight and complete understanding of the problem	Response indicates understanding of the problem	Response indicates partial understanding of the problem	Response indicates misunderstanding of the problem
Plan	<ul style="list-style-type: none"> -Makes original/creative plan to solve the problem -Organizes data concisely and with insight -Uses one or more strategies to solve problem 	<ul style="list-style-type: none"> -Shows workable plan to solve the problem -Organizes data appropriately -Chooses a strategy to solve the problem 	<ul style="list-style-type: none"> -Shows a plan that will not solve the problem -Partially organizes data -Chooses an inappropriate strategy to solve the problem 	<ul style="list-style-type: none"> -Produces unworkable plan -Does not organize data -Chooses no strategy or an incorrect strategy
Solve	<ul style="list-style-type: none"> -Shows clear, well-organized implementation of the plan -Clearly shows logical processes used in implementation -Uses data that fit the information given in the problem 	<ul style="list-style-type: none"> -Shows correct implementation of the plan -Shows some evidence of processes used -Makes few or no errors in data 	<ul style="list-style-type: none"> -Shows partially correct implementation of the plan -Shows little evidence of processes used -Produces work having many errors 	<ul style="list-style-type: none"> -Shows incorrect implementation of the plan -Produces work that is unrelated to the problem
Check	<ul style="list-style-type: none"> -Attains clear, reasonable solution that is meaningful to the problem -Clearly labels all parts - Gives clear, insightful reasons to explain the accuracy of the solution -If solution is not reasonable, shows evidence of choosing another strategy 	<ul style="list-style-type: none"> -Finds reasonable, acceptable solution -Labels most parts - Gives an explanation for the solution -If solution is not reasonable, shows some evidence of redoing the problem 	<ul style="list-style-type: none"> -Produces partially acceptable solution -Labels no parts or few parts - Gives incomplete or unclear explanation for the solution -If solution is not reasonable, shows no evidence of redoing the problem 	<ul style="list-style-type: none"> -Attains unreasonable solution that is unrelated to the problem -Uses no labels - Gives no explanation for the solution

(Adapted from Thomas 2006)