

Solving Math Problems With the Singapore Model Drawing Method



STEPS	PHASE (main actions)	DESCRIPTORS
1.	You READ to	Read the problem first to get the context (e.g., What's the problematic situation?)
2.	TEXT of the problem	Read the problem again and identify: a. THE GIVENS (the known quantities) b. WHAT NEEDS TO BE FOUND (the unknown quantities).
3.	(Image courtesy of gesadaphorn,www.freedigitalphotos.net)	Read the problem again & separate the items you wish to represent visually. Use a slash to help you.
4.	You DRAW the bar MODEL to help you	Represent one chunk by at least one rectangle or bar. Label it with the known value or mark it as an unknown (use a"?" or variable").
5.	see the problem and solve it.	Return to the text to check the mathematical relationships between the bars of the model.
6.	Hered's musts form from from the state of th	Adjust the size of the bars to illustrate the relationships*. Does one or a group of bars find in others? How do they compare with each other? *You may go back and re-read the problem.
7	You TRANSLATE	Translate the relationships between the bars into mathematical sentences (equations).
8	THE VISUAL into equations & solve	Compute the equations and add the found information to the bar model.
9.	them.	Repeat steps 5-7 until you solved the problem and have the solution .
10	نې نې نې کې د ريې کې د کې	Does the solution make sense? Is it a reasonable number in the problem? In real life?
11.	(Image courtesy of samuiblue,www.freedigitalphotos.net)	State the solution clearly, using a complete sentence that answers the question of the problem.