

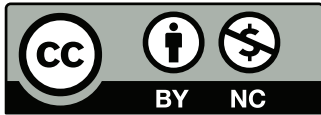
Survive Math Five

Problem Solving



*Teaching
Aids*

© 2005 by Open School BC



This work is licensed under the Creative Commons Attribution-NonCommercial 4.0 International License. To view a copy of this license, visit <http://creativecommons.org/licenses/by-nc/4.0/>

Acknowledgements

Project Manager: Eleanor Liddy
Writer: Judy Hawkins and Margaret Stobie
Editor: Cindy John
Illustrator: Margaret Kernaghan
Page Design: Janet Bartz
Production Technician: Beverly Hooks

Course History

New, April 2005
Corrected, November 2006

Math Function Chart

ADDITION:	add sum	total together	plus increased by	gain	and
SUBTRACTION:	difference fewer	less decreased by	minus	reduce	deduct
MULTIPLICATION:	multiply	product	times	doubled	tripled
DIVISION:	divide grouped	divided by shared by	quotient	average	each

Problem Solving

Problem Solving—Method 1

1. Read the problem. Answer these questions in your head (or on paper if it helps).
 - What solution are you asked for?
 - What information are you given?
2. Decide on the method or strategy (math operation) to be used.
3. Apply the method or strategy.
4. Check your work and think “Is the answer reasonable?”
5. Write a statement (sentence answer).

Problem Solving—Method 2

1. Understanding the problem.
 - Make a list of key questions to help you solve the problem.
 - List the unknown(s).
 - Identify what is asked for.
2. Decide on a strategy for solving the problem.
3. Apply the strategy.
4. Look back
 - Check your solution.
 - Explain your reasoning.
 - Write a statement (sentence answer).

Steps to Solve Problems

1. *Read the problem carefully and ask yourself:*
 - What am I asked to find out?
 - What information am I given?
 - What other important details do I know that relate to or tell about the problem?
 - What do I need to know to find the answer?
 - How can I get the information I need to know to solve this problem?
2. *Decide on a method to solve the problem.*
 - Will I add, subtract, multiply, or divide?
3. *Do the work to solve the problem.*
4. *Check what you have done.*
 - Ask yourself—“Does the answer make sense? Is it a reasonable answer?”
5. *Write a final statement.*



7540004664

New July 2005