## Contents

#### Part I Problem Solving Strategies - Whole Numbers

Unit 1	Simplify The Problem	. 1
Unit 2	Restate The Problem (1)	. 5
Unit 3	Look For Pattern	. 9
Unit 4	Draw A Model (1)	13
Unit 5	Use Before-After Concept (1)	17
Unit 6	Use Before-After Concept (2)	21
Unit 7	Restate The Problem (2)	25
Unit 8	*Restate The Problem (3)	29
Unit 9	*Make A List	33
Unit 10	*Make A Supposition	37

#### Part II Problem Solving Strategies - Fractions

Unit 11	Draw A Model (1)	41
Unit 12	Draw A Model (2)	45
Unit 13	Draw A Model (3)	49
Unit 14	Draw A Model (4)	53
Unit 15	Restate The Problem	57
	*Use Before-After Concept	
Unit 17	*Draw A Model (5)	65

#### Part III Problem Solving Strategies - Decimals

Unit 18 Draw A Model	
Unit 19 Restate The Problem	
Answer Key & Detailed Solutions	
Parents' Workshop Support	97
FAN-Math New Publications	98

\*More challenging problems specially for advanced pupils.



# 15 Unit

### **Restate The Problem**



Example



57

#### Practice 15

1. A jug had a mass of 600 g when it was  $\frac{2}{3}$  filled with water.

The same jug had a mass of 750 g when it was full of water.

What was the mass of the empty jug?

2. A box fully filled with green beans has a mass of 80 kg. When it is  $\frac{3}{8}$  filled with green beans, it has a mass of 35 kg. What is the mass of the empty box?