International Math Olympiad Handbook – Grade 2

This handbook covers topics for Grade 2 students (Age 7–8).

Grade 2 (Age 7–8)

Introduction

Grade 2 students build on basic math skills, learning more complex addition/subtraction, introduction to multiplication, and logical reasoning.

Curriculum Topics

- Numbers up to 1000

- Addition and Subtraction (2-digit and 3-digit)

- Introduction to Multiplication

- Basic Fractions (1/2, 1/3, 1/4)

- Time (hours, minutes)

- Money (coins and notes)

- Measurement (Length, Weight, Volume)

- Simple Word Problems

Detailed Explanations with Examples

- **Numbers:** Read and write numbers up to 1000.

  Example: 245 = 200 + 40 + 5

- **Addition/Subtraction:** 2-digit and 3-digit numbers.

  Example: 123 + 245 = 368

- **Multiplication:** Basic tables 2–5.

  Example: $3 \times 4 = 12$

- **Fractions:** Understand halves, thirds, quarters.

  Example: 1/2 of 8 = 4

- **Time:** Read analog clocks.

  Example: Clock shows 3:15

- **Money:** Count coins and notes.

  Example: 2 coins of 5 + 1 coin of 10 = 20

- **Measurement:** Compare and measure length, weight, volume.

  Example: Which bottle has more water?

- **Simple Word Problems:** Solve basic story problems.

  Example: You have 12 candies, eat 5, how many left?

Practice Problems

1. 234 + 456 = ?

2. 500 - 275 = ?

3. $4 \times 3 = ?$

4. 1/2 of 10 = ?

5. Read the time: 2:45

6. Count money: 3 coins of 10 + 2 coins of 5

7. Word problem: 15 - 7 = ?

Summary & Key Formulas

- Addition: $a + b$

- Subtraction: $a - b$

- Multiplication: $a \times b$

- Fractions: 1/2, 1/3, 1/4

- Measurement Units: cm, m, g, kg, l

- Time: hours and minutes

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