

Terry Chew B. Sc

Olympiad Maths Trainer

8 - 9 years old

2

- Designed to Introduce Students to Mathematical Olympiad type Questions
- Paced Training to Familiarize Students with Mathematical Olympiad type Questions
- 50-Week Systematic Practice
- 2 Tests for Self-assessment
- Worked Solutions for Analysis and Learning
- Perforated Tear-off Pages for Easy Removal and Filing



EMW 188A

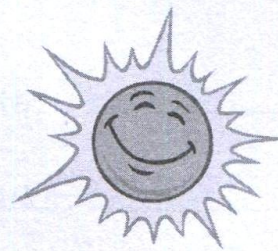


EMW 188B

THE GREAT LEARNERS

OLYMPIAD MATHS TRAINER 2

CONTENTS



Week 1 to Week 12

- Look for a Pattern
- Tell me the Time!
- Number Puzzles
- Cubes
- Solve using Models

Week 13 to Week 24

- Problems from Planting Trees
- Logic
- Make a List (1)
- Counting
- Tricks in Addition and Subtraction

Week 25



Test 1

Week 26 to Week 37

- Age Problems
- Division
- Remainder Problems
- Chicken-and-rabbit Problems
- Multiples

Week 38 to Week 49

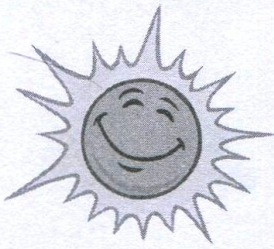
- Queuing and Overlapping Problems
- Pigeonhole Principle
- Make a List (2)
- Number Games
- IQ Maths

Week 50



Test 2

Worked Solutions (Week 1 to Week 50)



Name: _____ Date: _____

Class: _____ Marks: _____/20

Solve these questions. Show your working clearly. Each question carries 4 marks.

1. Complete each number pattern by filling in the blanks with correct answers.

(a) 1, 2, 4, 5, 7, 8, (), (), ...

(b) 3, 4, 7, 12, 19, (), (), ...

(c) 2, 3, 5, 8, 12, (), (), ...

(d) 2, 3, 5, 8, 13, (), (), ...

2. A lesson starts at 8.10 am. It lasts for 1 hour 10 minutes. At what time does the lesson end?

3. Given that A and B are two different single digit numbers, find the values of A and B in each of the following.

(a)

$$\begin{array}{r} A \\ \times A \\ \hline 4 B \\ \hline \end{array}$$

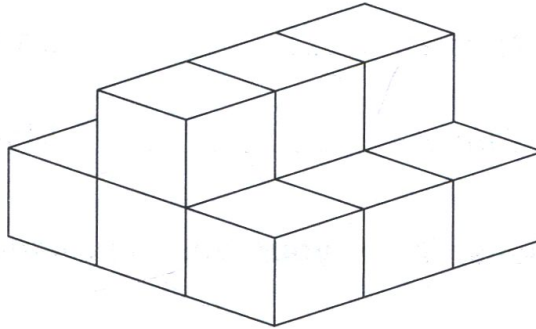
A = ()
B = ()

(b)

$$\begin{array}{r} A \\ \times B \\ \hline 3 A \\ \hline \end{array}$$

A = ()
B = ()

4. Find the number of cubes in the figure below.



5. The sum of two numbers is 16. The difference between the two numbers is 2. Find the two numbers.



Name: _____

Date: _____

Class: _____

Marks: _____/20

Solve these questions. Show your working clearly. Each question carries 4 marks.

1. Complete each number pattern by filling in the blanks with correct answers.

(a) 2, 4, 7, 9, 12, (), (), ...

(b) 3, 6, 12, 24, 48, (), (), ...

(c) 1, 1, 2, 3, 5, (), (), ...

(d) 1, 2, 3, 6, 7, (), (), ...

2. The movie started at 2.10 pm. It finished at 3.50 pm. How long was the movie?

3. Given that A and B are two different single digit numbers, find the values of A and B in each of the following.

(a)

$$\begin{array}{r} A \\ \times B \\ \hline 2 B \\ \hline \end{array}$$

A = ()
B = ()

(b)

$$\begin{array}{r} A \\ \times 8 \\ \hline B 0 \\ \hline \end{array}$$

A = ()
B = ()