# Preface

**Primary 3 Mastering Maths,** is a series of six books. Topics covered in the book are in alignment with the latest lower Primary Mathematics syllabus by the Ministry of Education, Singapore.

This series is dedicated to help pupils develop mastery of mathematical concepts and applications. Each topic is designed to facilitate focus and targeted revision that develop exam readiness and confidence.

## Special Features

### ✔ Topical Revision

Each topic consists of questions of varying levels of difficulty and are labelled as:

**Beginner**, **Intermediate**, **Advanced**

This scaffolding approach strengthens pupils' conceptual thinking and then progressively helps them to achieve mastery in higher level application questions. Additionally, it also caters to the needs of different learners.

### ✔ Take the Challenge!

Challenging questions deepen the understanding of mathematical concepts, thus enabling the development of mathematical reasoning and higher order thinking skills and gain confidence in using problem-solving strategies.

### ✔ More Challenging Problems

Real-world challenging problems encourage critical thinking and teach pupils to connect real-world situations to the abstract language of Mathematics.

### ✔ Mid-Year and End-Of-Year Revision

Mock exam papers help to provide a better perspective of what kind of questions will appear in exams and help in improving the score in competitive exams.

## Why this Series?

This series is the best complement and supplement to the school text books and workbooks. The sequential learning of math concepts and skills provided by this series of books makes it a valuable resource for teachers, parents and tutors.

# Contents

**9** Fill in the blanks.

**(a)** There are _____ tens in 460.

**(b)** There are _____ hundreds in 8600.

**(c)** 220 is the same as _____ tens.

**(d)** 5 tens more than 750 is _____.

**(e)** 2 hundreds less than 7033 is _____.

**(f)** 5260 is _____ more than 5000.

**(g)** 4123 is _____ less than 4153.

**(h)** 7066 is 100 more than _____.

**(i)** 3294 is 500 less than _____.

**(j)** The number that is 6 hundreds more than 2054 is _____.

**(k)** The number that is 4 thousands 4 tens less than 9182 is _____.

**(l)** There are _____ hundreds in 68 tens.

**10** What is the missing number in each pattern?

**(a)** ( 1688 ) ( 2688 ) ( ) ( 4688 )

**(b)** ( 7965 ) ( ) ( 7765 ) ( 7665 )

**(c)** ( 1979 ) ( 1989 ) ( ) ( 2009 ) ( 2019 )

**(d)** [ 5200 ] [ 5230 ] [ 5270 ] [ 5320 ] [ ]

**18** Add 2780 to 1232. Which digit is in the hundreds place?

_____

**19** When I add two numbers together, they give a sum of 2312.
If one of the numbers is 859, what is the other number?

_____

**20** What is the number I must add to the sum of
312 and 338 to get 800?

_____

**21** What number must be added to the difference
between 312 and 452 to get 200?

_____

**22** A number is less than a second number by 279.
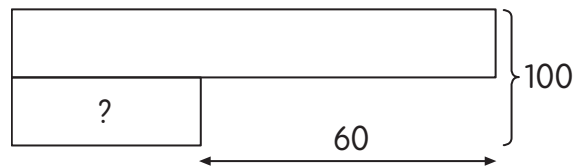The smaller number is 758. What is the greater number?

_____

**23** The difference between two numbers is 176.
If the greater number is 1164, find the smaller number.

_____

**24** The sum of three numbers is 9999. Two of the numbers are 2001 and 1997.
What is the third number?

_____

**25**



The sum of two numbers is 100. The smaller number is
60 less than the bigger number. What is the smaller number?        _____

**26** The sum of two numbers is 1000. The difference between them is 400.
Find the greater number.

_____

**5** Fill in the correct number of the types of coins used to make up the amount of money given.

| Amount of money | Number of coins | | | |
|---|---|---|---|---|
| | Five-cent | Ten-cent | Twenty-cent | Fifty-cent |
| **(a)** One dollar | | 10 | | 2 |
| **(b)** Five dollars | 100 | | 25 | |
| **(c)** $0.60 | | | | |
| **(d)** $1.50 | | | | |
| **(e)** Ten dollars | | | | |

**6** Complete the table with the value of the coins given.

| | Coins used | Total value |
|---|---|---|
| **(a)** | 8 ten-cent coins and 5 five-cent coins | |
| **(b)** | 6 twenty-cent coins and 12 five-cent coins | |
| **(c)** | 3 five-cent coins, 5 twenty-cent coins and 9 one-dollar coins | |
| **(d)** | 2 fifty-cent coins and 20 five-cent coins | |
| **(e)** | 5 fifty-cent coins and 4 ten-cent coins | |

**7** Express in dollars and cents or in cents.

**(a)** 5 ¢      $_____

**(b)** $0.35      _____ ¢

**(c)** 170 ¢      $_____

**(d)** $20.08      _____ ¢

**(e)** 3605 ¢      $_____

**(f)** $8.13      _____ ¢

**(g)** 8090 ¢      $_____

**(h)** $96.17      _____ ¢

**3** Find the product of these numbers.

(a)
```
    1 0 6
×       7
_____

_____
```

(b)
```
    2 8 5
×       6
_____

_____
```

(c)
```
    3 9 2
×       8
_____

_____
```

(d)
```
    6 8 7
×       9
_____

_____
```

(e)
```
    3 1 4
×       7
_____

_____
```

(f)
```
    7 5 0
×       8
_____

_____
```

(g)
```
    5 9 4
×       6
_____

_____
```

(h)
```
    2 8 9
×       9
_____

_____
```

(i)
```
    4 8 5
×       6
_____

_____
```

**4** Divide each of the following.

(a) $6\overline{)85}$

(b) $7\overline{)934}$

(c) $8\overline{)504}$

(d) $9\overline{)677}$

(e) $8\overline{)895}$

(f) $7\overline{)664}$

(g) $6\overline{)398}$

(h) $9\overline{)454}$

(i) $8\overline{)457}$