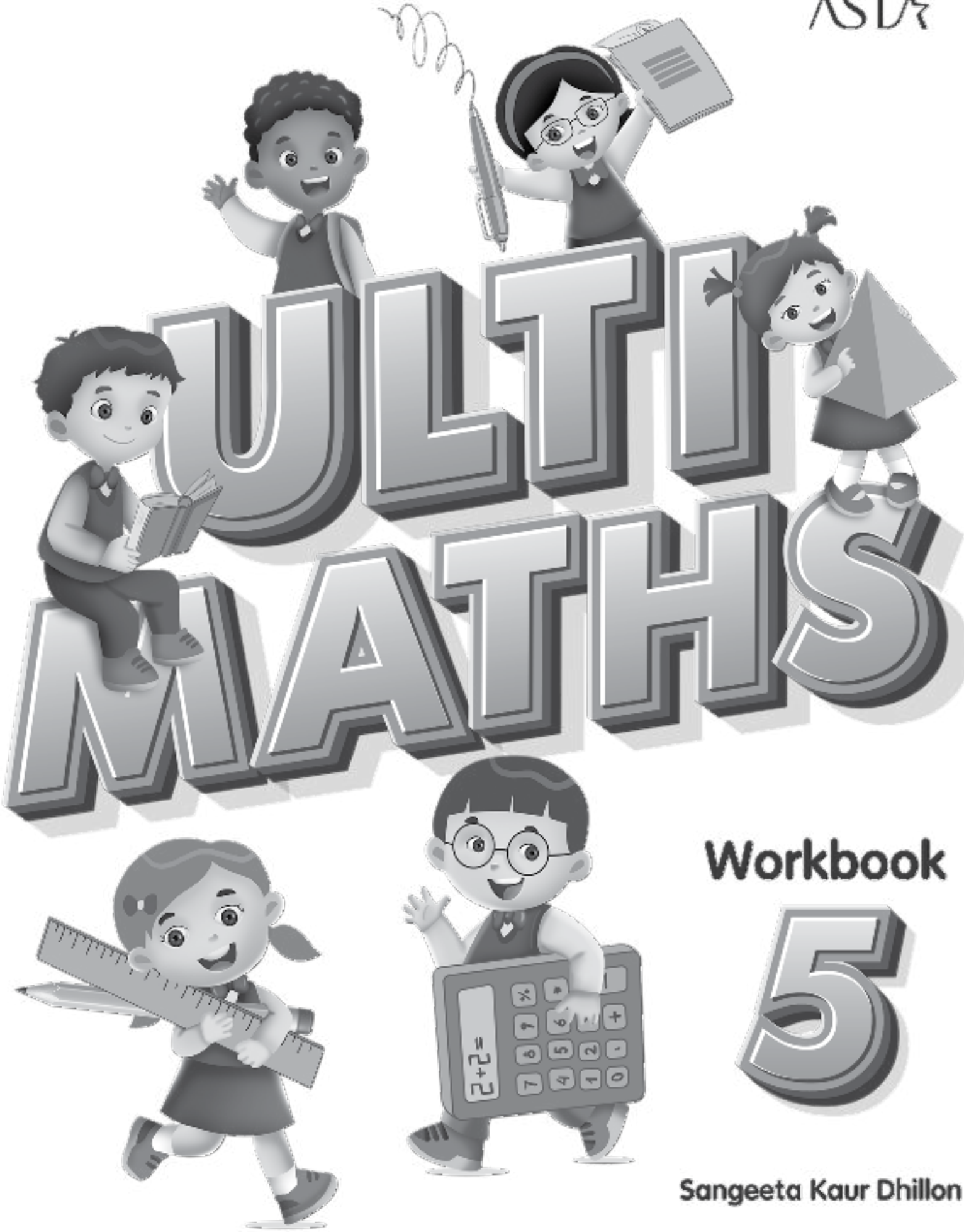
ASTA



ULTI MATHS

Workbook 5

Sangeeta Kaur Dhillon

Ultimaths - Workbook 5

Published by:

PT. ASTA ILMU SUKSES (member of Mentari Group)
RUKAN Sentra Niaga Puri Indah Block T1-14
West Jakarta 11610

: 0856 9785 6420

: @astailmusukses

: contact@astailmu.com

: www.astailmu.id

First published: January 2023

Preface

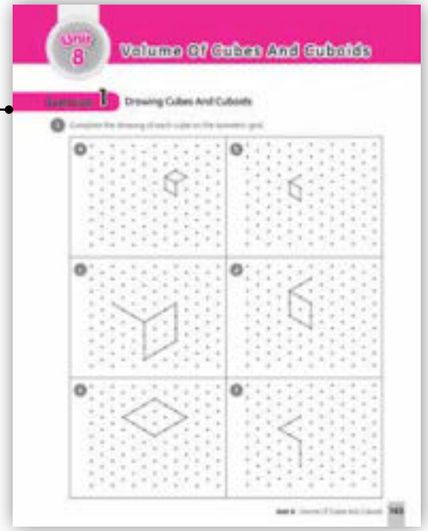
ULTI MATHS is a mathematics learning series for primary school students. The contents are systematically arranged according to the ability of the child, which can be applied in everyday life, and can be used as preparation for the next level.

ULTI MATHS uses an international standard of mathematical teaching and learning approaches, which have been proven to bring children success in learning mathematics. The Concrete-Pictorial-Abstract approach introduces new concepts with the use of appropriate manipulatives, before moving to pictorials and abstract representations. The development of topics across the levels in spiral progression approach helps learners acquire a new concept by building on previously learned concepts. The focus on Problem Solving by promoting the use of bar models, empowers students to develop visualization skills to better understand word problems before solving them.

ULTI MATHS provides active, fun, and collaborative mathematics learning with lots of activities and games. These learning experiences will enable students to acquire and apply concepts and skills, develop critical thinking skills, and positive attitudes towards mathematics.

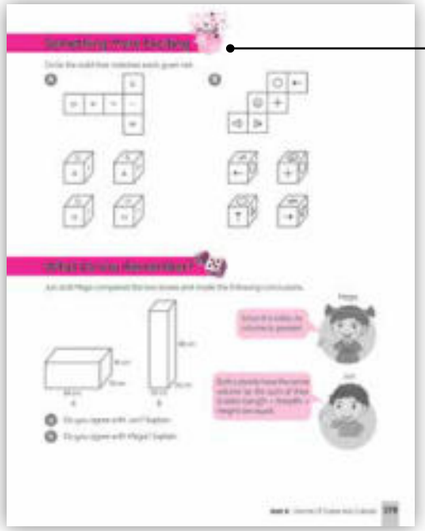
Using This Book

Ultimaths has some special features to help students learn and use this book.



Exercise

Independent exercises to strengthen and consolidate the concepts learned in Textbook.

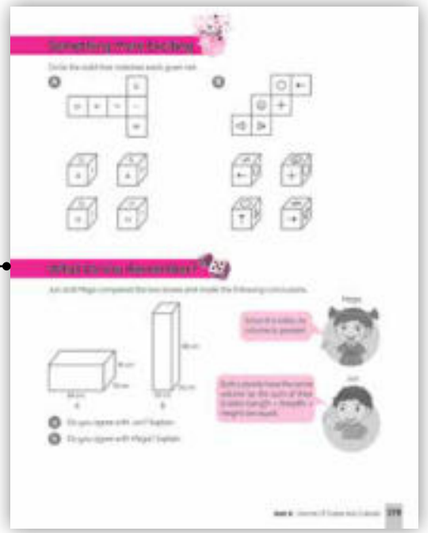


What Do You Remember?

This feature is for reflection of what have been learnt.

Something More Exciting!

More challenging practice to stimulate higher order thinking.



Contents

Unit 1

Whole Numbers

Exercise 1 Numbers To 10 Million

1 Count in millions, hundred thousands, ten thousands, thousands, hundreds, tens and ones. Fill in the boxes.

a

100 000 10 000 1000 100 1
100 000 10 000 1000 100
1000 100
1000
1000

100 000, ... [ ], ... 210 000, ... [ ], ...

221 000, ... 222 000, ... 223 000, ... [ ], ...

225 000, ... 225 100, ... [ ], ...

[ ], [ ]

b

1 000 000 100 000 10 000 10
1 000 000 100 000 10 000 10
1 000 000 10 000 10
10

1 000 000, ... 2 000 000, ... [ ], ...

3 100 000, ... [ ], ... 3 210 000, ...

[ ], ... [ ], ... 3 230 010,

[ ], ... [ ], ... [ ]

c

1 000 000 1000 1
1 000 000 1000 1
1 000 000 1000 1
1 000 000 1

1 000 000, ... 2 000 000, ... [ ], ... [ ], ...

4 001 000, ... [ ], ... [ ], 4 003 001,

[ ], [ ], [ ]

2 Count and write each number in numerals.

a

100 000 10 000 1000 10
100 000 1000 10
100 000 1000
100 000 1000
100 000 1000
100 000 1000
100 000 1000
1000

[ ]

b

1 000 000 100 000 10 000 1000 100 10
1 000 000 100 000 10 000 1000 100 10
1 000 000 100 000 10 000 1000 10
1 000 000 100 000 10 000 10
1 000 000 100 000 10 000 10
1 000 000 10 000
1 000 000 10 000
1 000 000

[ ]

c

1 000 000 10 000 1
1 000 000 10 000 1
1 000 000 10 000
1 000 000 10 000
1 000 000 10 000
1 000 000 10 000
10 000

[ ]

d

1 000 000 100 000 100
1 000 000 100 000 100
1 000 000 100 000 100

[ ]

* **3** Fill in the boxes with the correct numbers.

a) 30 hundreds = ☐ thousands

b) 100 hundred thousands = ☐ millions

c) 2 millions = ☐ hundred thousands

* **4** Fill in the boxes with the correct words.

a) 500 thousands = 5 ☐

b) 640 ten thousands = 64 ☐

c) 4000 thousands = 4 ☐

5 Write each number in words.

a) 158 620 ☐

b) 709 079 ☐

c) 2 506 303 ☐

d) 6 225 764 ☐

e) 8 480 135 ☐

f) 4 099 047 ☐

6 Write each number in numerals.

a) Two hundred and fifty-six thousand, three hundred and ten ☐

b) Four million, three hundred and seventy-two thousand, four hundred and seventy-seven ☐

c) Eight million, six hundred and ninety thousand, one hundred and eighty-six ☐

d) Five million, sixteen thousand and twenty ☐

e) Nine million, nine hundred and ninety-nine thousand, nine hundred and ninety-nine ☐

f) Six million, six thousand and six ☐

7 Ben wrote the following in numerals.
Spot the mistake in each of Ben's answers.
Write the correct answers in the blanks below.

		Bens' Answers
a)	Five million, five thousand and forty-five	5 005 450
b)	Nine million and ninety	9 000 099
c)	50 thousands	500 000

Correct answers:

a) ☐

b) ☐

c) ☐

Exercise 2 Place And Value

1 Fill in the boxes.

a A mall had 612 596 customers in the month of June.

Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
6	1	2	5	9	6

The digit ☐ is in the hundred thousands place and has a value of ☐.

The digit ☐ is in the ten thousands place and has a value of ☐.

The digit ☐ is in the thousands place and has a value of ☐.

The digit ☐ is in the hundreds place and has a value of ☐.

The digit ☐ is in the tens place and has a value of ☐.

The digit ☐ is in the ones place and has a value of ☐.

b The airport recorded 3 061 852 visitors to Jakarta in the month of December.

Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
3	0	6	1	8	5	2

The digit ☐ is in the millions place and has a value of ☐.

The digit ☐ is in the hundred thousands place and has a value of ☐.

The digit ☐ is in the ten thousands place and has a value of ☐.

The digit ☐ is in the thousands place and has a value of ☐.

The digit ☐ is in the hundreds place and has a value of ☐.

The digit ☐ is in the tens place and has a value of ☐.

The digit ☐ is in the ones place and has a value of ☐.

2 Look at the number 5 876 411. Fill in the boxes.

a

Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
5	☐	7	☐	☐	☐	1

b The digit ☐ is in the millions place.

c The digit 8 has a value of ☐.

d The value of the digit 6 is ☐.

e The digit ☐ is in the hundreds place.

3 Look at the number 4 783 505. Fill in the boxes.

a

Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
☐	☐	☐	☐	☐	☐	☐

b The digit ☐ is in the hundred thousands place.

c The value of the digit 8 is ☐.

d The digit 4 has a value of ☐.

e The digit in the tens place is ☐.

4 Write the value of each digit in 1 942 036.

a The value of the digit 1 is ☐.

b The value of the digit 9 is ☐.

c The value of the digit 4 is ☐.

d The value of the digit 2 is ☐.

e The value of the digit 0 is ____.

f The value of the digit 3 is ____.

g The value of the digit 6 is ____.

5 What is the value of the digit 6 in the following numbers?

a 654 312 ____

b 3 146 025 ____

c 5 062 341 ____

d 6 213 504 ____

6 Fill in the boxes.

a 333 456 = 300 000 + ____ + 3000 + 400 + 50 + 6

b 8 155 003 = ____ + 100 000 + 50 000 + 5000 + 3

c ____ + 9000 + 400 + 20 + 7 = 209 427

d 1 000 000 + 300 000 + ____ = 1 300 600

e 4 060 080 = 4 000 000 + ____ + 80

f 680 359 = 680 000 + ____

g ____ + 520 = 700 520

h 5 000 000 + ____ + 920 = 5 101 920

Exercise 3 Multiplying By Tens, Hundreds And Thousands

1 Multiply.

a 6 × 10 = ____

b 23 × 10 = ____

c 529 × 10 = ____

d 9645 × 10 = ____

2 Multiply.

a 5 × 100 = ____

b 44 × 100 = ____

c 888 × 100 = ____

d 3404 × 100 = ____

3 Multiply.

a 3 × 1000 = ____

b 16 × 1000 = ____

c 613 × 1000 = ____

d 8204 × 1000 = ____

4 Multiply.

a 37 × 10 = ____

37 × 100 = ____

37 × 1000 = ____

b 765 × 10 = ____

765 × 100 = ____

765 × 1000 = ____

c 2526 × 10 = ____

2526 × 100 = ____

2526 × 1000 = ____

d 10 × 412 = ____

100 × 412 = ____

1000 × 412 = ____

5 Fill in the missing numbers.

a 28 × ☐ = 2800

b 632 × ☐ = 632 000

c ☐ × 10 = 8700

d ☐ × 1000 = 71 000

e 2430 × ☐ = 24 300

f ☐ × 3200 = 320 000

g ☐ × 100 = 54 000

h 100 × ☐ = 96 300

6 Multiply.

a 23 × 30

= 23 × ☐ × 10

= ☐ × 10

= ☐

b 52 × 70

= 52 × ☐ × ☐

= ☐ × ☐

= ☐

c 143 × 80 = ☐

d 1565 × 50 = ☐

7 Multiply.

a 9 × 700

= 9 × ☐ × 100

= ☐ × 100

= ☐

b 66 × 200

= 66 × ☐ × ☐

= ☐ × ☐

= ☐

c 870 × 800 = ☐

d 6300 × 400 = ☐

8 Multiply.

a 7 × 3000

= 7 × ☐ × 1000

= ☐ × 1000

= ☐

b 39 × 2000

= 39 × ☐ × ☐

= ☐ × ☐

= ☐

c 460 × 5000 = ☐

d 1352 × 4000 = ☐

9 Find the products.

	a 23	b 392	c 2035
× 20			
× 200			
× 2000			

10 Find the products.

a 32 and 40

b 60 and 490

c 247 and 500

d 200 and 1536

e 41 and 6000

f 700 and 8000

Exercise 4 Dividing By Tens, Hundreds And Thousands

1 Divide.

a 80 ÷ 10 = ☐

b 210 ÷ 10 = ☐

c 5700 ÷ 10 = ☐

d 60 400 ÷ 10 = ☐

2 Divide.

a 700 ÷ 100 = ☐

b 2000 ÷ 100 = ☐

c 14 600 ÷ 100 = ☐

d 900 000 ÷ 100 = ☐

3 Divide.

a 8000 ÷ 1000 = ☐

b 71 000 ÷ 1000 = ☐

c 835 000 ÷ 1000 = ☐

d 5 000 000 ÷ 1000 = ☐

4 Divide.

a 45 000 ÷ 10 = ☐

45 000 ÷ 100 = ☐

45 000 ÷ 1000 = ☐

b 88 000 ÷ 10 = ☐

88 000 ÷ 100 = ☐

88 000 ÷ 1000 = ☐

c 90 000 ÷ 10 = ☐

90 000 ÷ 100 = ☐

90 000 ÷ 1000 = ☐

d 549 000 ÷ 10 = ☐

549 000 ÷ 100 = ☐

549 000 ÷ 1000 = ☐

5 Fill in the missing numbers.

a 1000 ÷ 10 = ☐

b 25 000 ÷ 100 = ☐

c 42 000 ÷ 10 = ☐

d 33 450 ÷ ☐ = 3345

e 8000 ÷ ☐ = 8

f 95 000 ÷ ☐ = 950

g 360 000 ÷ ☐ = 3600

h ☐ ÷ 1000 = 525

6 Divide.

a 450 ÷ 50

= 450 ÷ ☐ ÷ 5

= ☐ ÷ 5

= ☐

b 7000 ÷ 70

= 7000 ÷ ☐ ÷ ☐

= ☐ ÷ ☐

= ☐

c 810 ÷ 90 = ☐

d 6480 ÷ 80 = ☐

e 42 000 ÷ 60 = ☐

f 35 000 ÷ 50 = ☐

7 Divide.

a 900 ÷ 300

= 900 ÷ ☐ ÷ 3

= ☐ ÷ 3

= ☐

b 8800 ÷ 800

= 8800 ÷ ☐ ÷ ☐

= ☐ ÷ ☐

= ☐

c 6000 ÷ 200 = ☐

d 400 000 ÷ 400 = ☐

e 49 200 ÷ 600 = ☐

f 630 000 ÷ 900 = ☐

8 Divide.

a 3000 ÷ 3000

= 3000 ÷ ☐ ÷ 3

= ☐ ÷ 3

= ☐

b 48 000 ÷ 6000

= 48 000 ÷ ☐ ÷ ☐

= ☐ ÷ ☐

= ☐

c 42 000 ÷ 7000 = ☐	d 65 000 ÷ 5000 = ☐
e 320 000 ÷ 8000 = ☐	f 558 000 ÷ 9000 = ☐

9 Divide.

	a 36 000	b 84 000
÷ 40		
÷ 400		
÷ 4000		

Something More Exciting

Use the digits 2, 5, 6, 3, 0, 8 and 7 to form

a the greatest 7-digit even number.

b the smallest 7-digit odd number.

What Do You Remember?

Think of a 7-digit number.
Write the number in numerals and in words.
Write the value of each digit in the number.

Form another 7-digit number.
Compare the two numbers. Which is greater?

Form another three 7-digit numbers.
Arrange all the five numbers you have formed in ascending order.
Round each number to the nearest thousand.
Estimate the sum and difference of any two of the numbers.
Now, exchange your working and answers with your partner.
Check the accuracy of each other's work.
How did you fare? ☺