Proficiency Tests

Mathematics

Continual Assessment & Semestral Assessment

2

SAMPLE

Author
J S Chan
B. A., (Merit)

Revised by
Wayne T

Project Editor
Alan Tan

Name: _____

Class: _____



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Website: www.sapgrp.com
Facebook: Singapore-Asia-Publishers

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PREFACE

CA & SA Mathematics 2 is designed to assess **Primary 2** students in their understanding and application of mathematical concepts, skills and processes. The trial test papers, written in accordance to the latest **Primary Mathematics syllabus**, cover the two semesters in the school term. Altogether, there are 8 trial test papers: 2 sets of CA1, 2 sets of SA1, 2 sets of CA2 and 2 sets of SA2.

Each trial test paper is divided into four sections which test the students' competency in mathematical concepts, procedural skills for numerical calculation, process skills to reason, connect, think and apply.

Section A, which consists of 20 multiple-choice questions, tests on the students' mathematical knowledge and comprehension ability.

Section B, which consists of 20 short-answer questions, tests on the students' mathematical knowledge, comprehension and application & analysis abilities.

Section C, which consists of 5 word problems, tests on the students' mathematical knowledge, comprehension, application & analysis abilities. Students are encouraged to apply different thinking skills and heuristics in solving routine or non-routine word problems.

Time management is important in mathematical tests and examinations. Students should work towards completing each trial test paper within the given time.

J S Chan
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CONTENTS

1st HALF OF THE SCHOOL YEAR

Trial Test 1 (CA 1)..... 1-14
Tests on mathematical knowledge, comprehension, application & analysis with focus on:
- Numbers to 1000
- Addition and Subtraction within 1000
- Word Problems on Addition and Subtraction
- Multiplication and Division

Trial Test 2 (CA 1)..... 1-16
Tests on mathematical knowledge, comprehension, application & analysis with focus on:
- Numbers to 1000
- Addition and Subtraction within 1000
- Word Problems on Addition and Subtraction
- Multiplication and Division

Trial Test 3 (SA 1)..... 1-16
Practice examination which tests on mathematical knowledge, comprehension, application & analysis with focus on:
- Numbers to 1000
- Addition and Subtraction within 1000
- Word Problems on Addition and Subtraction; Multiplication and Division
- Multiplication Tables of 2, 3, 4, 5 and 10
- Length

Trial Test 4 (SA 1)..... 1-14
Practice examination which tests on mathematical knowledge, comprehension, application & analysis with focus on:
- Numbers to 1000
- Addition and Subtraction within 1000
- Word Problems on Addition and Subtraction; Multiplication and Division
- Multiplication Tables of 2, 3, 4, 5 and 10
- Length

2nd HALF OF THE SCHOOL YEAR

Trial Test 5 (CA 2)..... 1-14
Tests and revises on mathematical knowledge, comprehension, application & analysis with focus on:
- Numbers to 1000
- Addition and Subtraction within 1000
- Word Problems on Addition and Subtraction; Multiplication and Division
- Multiplication Tables of 2, 3, 4, 5 and 10
- Length
- Mass
- Money
- Fractions
- Time

Trial Test 6 (CA 2)..... 1-14
Tests and revises on mathematical knowledge, comprehension, application & analysis with focus on:
- Numbers to 1000
- Addition and Subtraction within 1000
- Word Problems on Addition and Subtraction; Multiplication and Division
- Multiplication Tables of 2, 3, 4, 5 and 10
- Length
- Mass
- Money
- Fractions
- Time

Trial Test 7 (SA 2)..... 1-16
Practice examination which tests on mathematical knowledge, comprehension, application & analysis with focus on:
- Numbers to 1000
- Addition and Subtraction within 1000
- Word Problems on Addition and Subtraction; Multiplication and Division
- Multiplication Tables of 2, 3, 4, 5 and 10
- Length
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- Volume
- Picture Graphs
- Two-Dimensional and Three-Dimensional Figures

Trial Test 8 (SA 2)..... 1-16
Practice examination which tests on mathematical knowledge, comprehension, application & analysis with focus on:
- Numbers to 1000
- Addition and Subtraction within 1000
- Word Problems on Addition and Subtraction; Multiplication and Division
- Multiplication Tables of 2, 3, 4, 5 and 10
- Length
- Mass
- Money
- Fractions
- Time
- Volume
- Picture Graphs
- Two-Dimensional and Three-Dimensional Figures

WORKED SOLUTIONS S1-S11

SAMPLE

Name	Class	Date

Primary 2

MATHEMATICS

TRIAL TEST 1 (CA 1)

INSTRUCTIONS

Total time for all sections: 1 h 30 min

SECTION A
MULTIPLE-CHOICE QUESTIONS [20 × 2 marks]

SECTION B
SHORT-ANSWER [20 × 2 marks]

SECTION C
WORD PROBLEMS [5 × 4 marks]

SECTION	MARKS
A	/ 40
B	/ 40
C	/ 20
TOTAL	/ 100

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SECTION A

Questions 1 to 20 carry 2 marks each. Choose the correct answer and write its number (1, 2, 3 or 4) in the brackets provided.

(20 × 2 marks)

1. 35 + 4 = _____

(1) 31 (3) 39
(2) 38 (4) 41 ( )

2. 500 + 200 = _____

(1) 300 (3) 800
(2) 700 (4) 900 ( )

3. 48 – 6 = _____

(1) 40 (3) 44
(2) 42 (4) 52 ( )

4. 700 – 100 = _____

(1) 400 (3) 600
(2) 500 (4) 800 ( )

5. 678 in words is _____.

(1) six hundred and seventy-eight
(2) six hundred and eighty-seven
(3) seven hundred and sixty-eight
(4) eight hundred and sixty-seven ( )

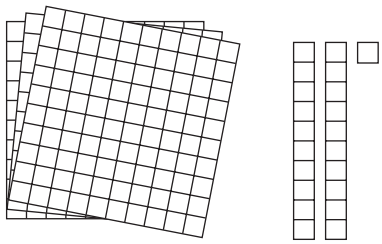
6. Five hundred and forty-three in numbers is _____.

(1) 343 (3) 443
(2) 434 (4) 543 ( )

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7. How many squares are there altogether?



(1) 300
(2) 301
(3) 321
(4) 331 ( )

8. 400 + 50 + 3 = _____

(1) 403
(2) 405
(3) 435
(4) 453 ( )

9. Which of the following shows the numbers in correct order, from the greatest to the smallest?

(1) 117, 118, 119
(2) 224, 324, 424
(3) 886, 888, 890
(4) 976, 956, 936 ( )

10. The difference between 826 and 124 is _____.

(1) 702
(2) 720
(3) 905
(4) 950 ( )

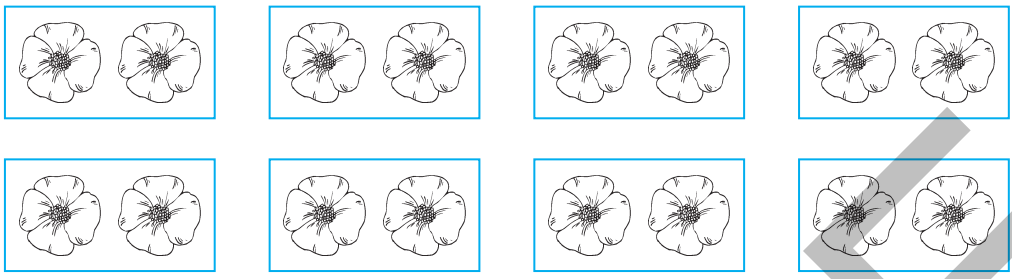
11. There are 350 apples and 360 oranges. How many fruit are there altogether?

(1) six hundred and one
(2) six hundred and ten
(3) seven hundred and one
(4) seven hundred and ten ( )

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12. Which of the following number sentences best describes the pictures shown?



(1) 4×2
(2) $8 + 2$
(3) $2 + 2 + 2 + 2 + 2 + 2 + 2 + 2$
(4) $8 + 8 + 8 + 8 + 8 + 8 + 8 + 8$

( )

13. 200 less than 654 is _____.

(1) 454
(2) 545
(3) 854
(4) 954

( )

14. 5 hundreds 2 ones + 2 hundreds 7 tens 9 ones = 7 hundreds _____ tens 1 one

(1) 6
(2) 7
(3) 8
(4) 9

( )

15. 40 less than 368 = _____.

(1) 3 hundreds 28 ones
(2) 3 hundreds 28 tens
(3) 4 hundreds 8 ones
(4) 4 hundreds 8 tens

( )

16. Janice has 30 coloured pencils. She wants to put them equally into 3 different boxes. How many coloured pencils are there in each box?

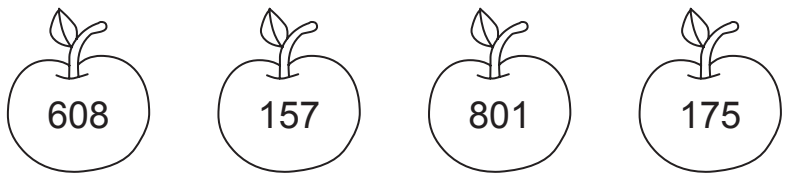
(1) 5
(2) 10
(3) 27
(4) 33

( )

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17. What is the sum of the greatest and the smallest numbers?



(1) 765
(2) 783
(3) 958
(4) 976 ( )

18. 707 – 123 = 5 hundreds _____

(1) 4 ones
(2) 8 tens
(3) 84 ones
(4) 84 tens ( )

19. There are 3 plates of cherries on the table. Each plate contains 4 cherries. How many cherries are there in all?

(1) 7
(2) 9
(3) 12
(4) 15 ( )

20. In a school, 308 boys wear glasses. 111 more girls than boys wear glasses. How many students wear glasses in the school?

(1) 197
(2) 419
(3) 530
(4) 727 ( )

SECTION B

Questions 21 to 40 carry 2 marks each. Write your answers on the lines provided. (20 × 2 marks)

21. Fill in each blank with the correct answer.

798, _____, 598, _____, 398, 298

SAMPLE

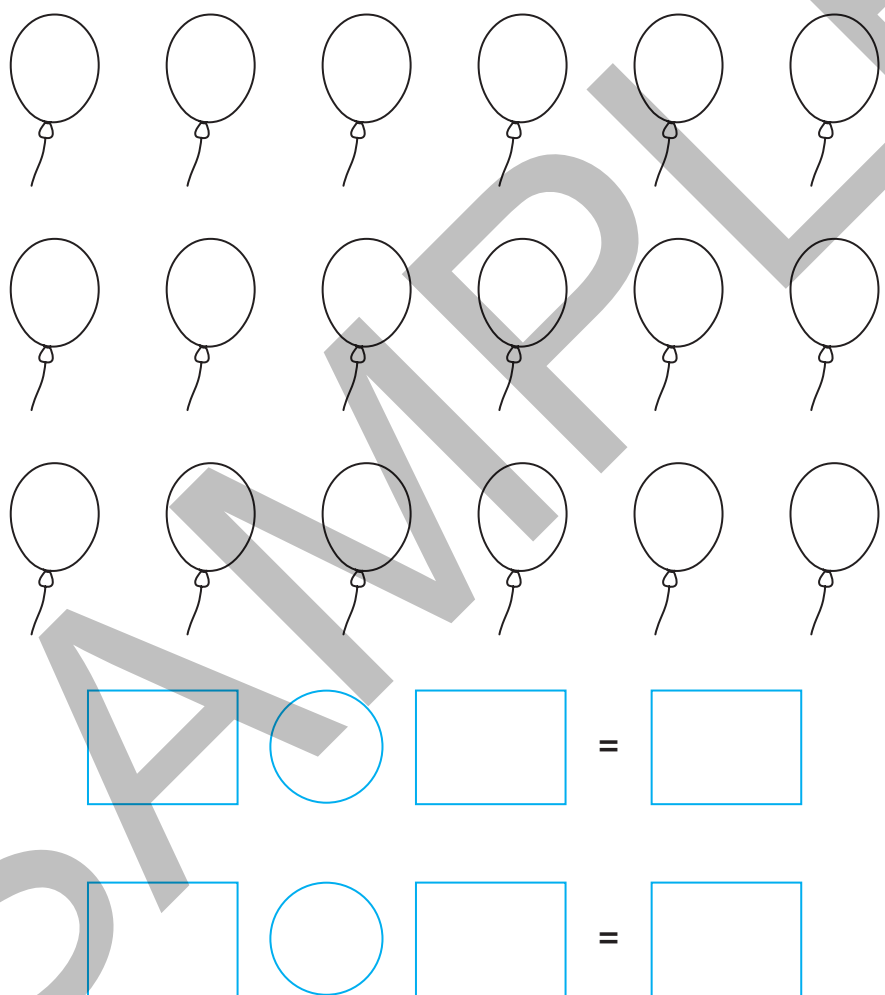
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22. Write the following numbers in words.

(a) 408 _____

(b) 793 _____

23. Write one multiplication sentence and one division sentence based on the pictures below.



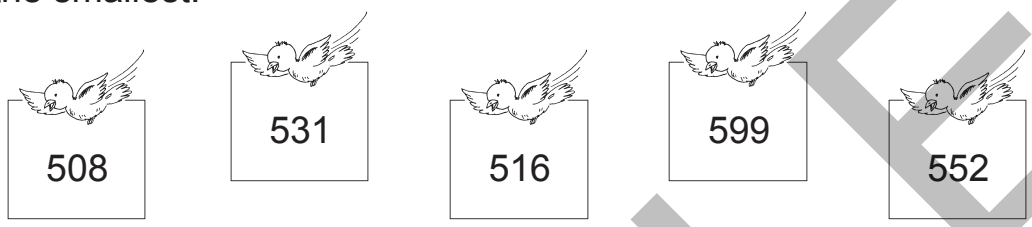
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24. Fill in each blank with “greater” or “smaller”.

110 is _____ than 111 but _____ than 101.

25. Arrange the following numbers in the correct order, starting with the smallest.



_____ _____ _____ _____ _____

26. 216 + 647 = 8 hundreds _____ tens _____ ones

27. 1000 = 9 hundreds 5 tens _____ ones

28. What is the sum of 354 and 145? _____

29. Find the difference between 726 and 299. _____

30. Winnie gave 100 cookies to some children. If each child received 10 cookies, how many children were there?

_____ children

31. _____ is 20 tens less than 807.

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TRIAL TEST 1 (CA1)

1. **(3)**

2. **(2)**

3. **(2)**

4. **(3)**

5. **(1)**

6. **(4)**

7. **(3)**
300 + 20 + 1 = 321

8. **(4)**
400 + 50 + 3 = 453

9. **(4)**
976 is the greatest and 936 is the smallest.

10. **(1)**
826 – 124 = 702

11. **(4)**
350 + 360 = 710 = seven hundred and ten

12. **(3)**
There are 8 sets of 2 flowers.

13. **(1)**
654 – 200 = 454

14. **(3)**
502 + 279 = 781 = 7 hundreds 8 tens 1 one

15. **(1)**
368 – 40 = 328 = 3 hundreds 28 ones

16. **(2)**
30 ÷ 3 = 10

17. **(3)**
801 + 157 = 958

18. **(3)**
707 – 123 = 584 = 5 hundreds 84 ones

19. **(3)**
3 × 4 = 12

20. **(4)**
308 + 111 = 419 (girls)
419 + 308 = 727

21. **698**; **498**
398 – 298 = 100
798 – 100 = 698
598 – 100 = 498

22. **(a) four hundred and eight**
(b) seven hundred and ninety-three

23. 6 × 3 = 18
or
3 × 6 = 18
18 ÷ 3 = 6
or
18 ÷ 6 = 3

24. **smaller; greater**

25. **508, 516, 531, 552, 599**

26. **6**; **3**
216 + 647 = 863 = 8 hundreds 6 tens 3 ones

27. **50**
1000 – 950 = 50 = 50 ones

28. **499**
354 + 145 = 499

29. **427**
726 – 299 = 427

30. **10**
100 ÷ 10 = 10

31. **607**
20 tens = 200
807 – 200 = 607

32.
$$\begin{array}{r} {\scriptstyle 1\ 1}\\ 6\ \boxed{6}\ 6\\ +\quad 4\ \boxed{4}\\ \hline 7\ 1\ 0 \end{array}$$

33. **390**
10 tens = 100
235 + 55 = 290
290 + 100 = 390

34. **740 + 187**
461 + 366 = 827
740 + 187 = 927
447 + 479 = 926
338 + 599 = 937

35.
$$\begin{array}{r} {\scriptstyle 1\ 1}\\ 2\ 8\ 9\\ +\ 5\ 4\ 6\\ \hline \mathbf{8\ 3\ 5} \end{array}$$

36. **–**
516 – 260 = 256

37. **×**
9 × 10 = 90

38. **524**
◇ = 9 ÷ 3 = 3
△ = 530 – 3 = 527
△ – ◇ = 527 – 3 = 524

39. **A = 493, B = 913, C = 625**
A = 300 + 193 = 493
B = 493 + 420 = 913
C = 300 + 325 = 625

40. pages **7** and **8**
5 × 3 = 15
7 + 8 = 15

41.

476	241

?

476 + 241 = 717
Diana made **717** cups of jelly.

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