Proficiency Tests

Mathematics

Continual Assessment & Semestral Assessment

1

SAMPLE

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Class: _____



Proficiency Test Mathematics CA&SA Primary 1

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PREFACE

CA & SA Mathematics 1 is designed to assess **Primary 1** 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 three 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

B.A., (Merit)

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CONTENTS

1st HALF OF THE SCHOOL YEAR

Trial Test 1 (CA 1).....1-16

Tests on mathematical knowledge, comprehension, application & analysis with focus on:

- Numbers to 10
- Number bonds
- Addition within 10
- Subtraction within 10

Trial Test 2 (CA 1).....1-16

Tests on mathematical knowledge, comprehension, application & analysis with focus on:

- Numbers to 10
- Number bonds
- Addition within 10
- Subtraction within 10

Trial Test 3 (SA 1).....1-16

Practice examination which tests on mathematical knowledge, comprehension, application & analysis with focus on:

- Numbers to 20
- Number bonds
- Addition within 20
- Subtraction within 20
- Shapes and Patterns
- Ordinal Numbers
- Length

Trial Test 4 (SA 1).....1-16

Practice examination which tests on mathematical knowledge, comprehension, application & analysis with focus on:

- Numbers to 20
- Number bonds
- Addition within 20
- Subtraction within 20
- Shapes and Patterns
- Ordinal Numbers
- Length

2nd HALF OF THE SCHOOL YEAR

Trial Test 5 (CA 2).....1-16

Tests and revise on mathematical knowledge, comprehension, application & analysis with focus on:

- Picture graphs
- Numbers to 40
- Multiplication
- Shapes and Patterns
- Length

Trial Test 6 (CA 2).....1-16

Tests and revise on mathematical knowledge, comprehension, application & analysis with focus on:

- Picture graphs
- Numbers to 40
- Multiplication
- Shapes and Patterns
- Length

Trial Test 7 (SA 2).....1-16

Practice examination which tests on mathematical knowledge, comprehension, application & analysis with focus on:

- Numbers to 100
- Number bonds
- Addition within 20
- Subtraction within 20
- Shapes and Patterns
- Ordinal Numbers
- Length
- Picture graphs
- Multiplication
- Division
- Time
- Money

Trial Test 8 (SA 2).....1-16

Practice examination which tests on mathematical knowledge, comprehension, application & analysis with focus on:

- Numbers to 100
- Number bonds
- Addition within 20
- Subtraction within 20
- Shapes and Patterns
- Ordinal Numbers
- Length
- Picture graphs
- Multiplication
- Division
- Time
- Money

WORKED SOLUTIONS **S1-S9**

SAMPLE

Name	Class	Date

Primary 1

MATHEMATICS

TRIAL TEST 1 (CA 1)

SAMPLE

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. How many panda bears are shown below?



(1) 3
(2) 4
(3) 5
(4) 6
( )

2. Which of the following numbers is the greatest?

(1) 5
(2) 6
(3) 9
(4) 2
( )

3. Which of the following number is the smallest?

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

4. Which of the following three numbers make 10?

(1) 5, 2, 3
(2) 4, 1, 3
(3) 3, 2, 4
(4) 6, 0, 1
( )

5. 1 more than 7 is _____.

(1) 8
(2) 6
(3) 9
(4) 5
( )

6. 1 less than 6 is _____.

(1) 7
(2) 4
(3) 8
(4) 5
( )

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7. How many apples are shown below?



(1) 6
(2) 7
(3) 8
(4) 10
( )

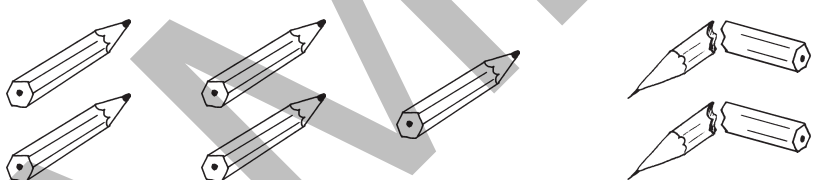
8. _____ and 2 make 8.

(1) 5
(2) 6
(3) 9
(4) 10
( )

9. Which of the following number sentences is wrong?

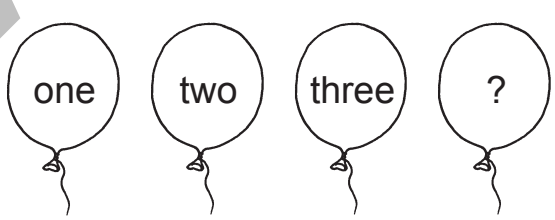
(1) 1 + 4 = 5
(2) 4 + 1 = 5
(3) 5 – 4 = 1
(4) 5 + 4 = 1
( )

10. Which of the following number sentences represents the pictures shown below?



(1) 5 – 2 = 3
(2) 6 + 1 = 7
(3) 7 – 2 = 5
(4) 8 – 1 = 7
( )

11. Complete the number pattern.



(1) four
(2) five
(3) seven
(4) eight
( )

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12. Which of the following number sentences gives 9?

(1) 2 + 6
(2) 4 + 4
(3) 5 + 4
(4) 6 + 4 ( )

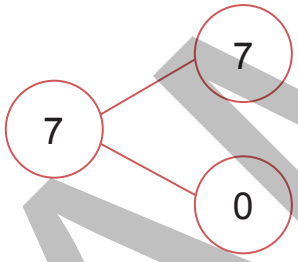
13. How many more stamps should Paul buy in order to have the same number of stamps as Peter?

Peter	
Paul	

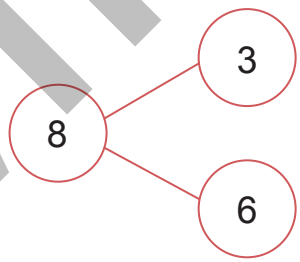
(1) 2
(2) 3
(3) 5
(4) 8 ( )

14. Which of the following shows the correct number bond?

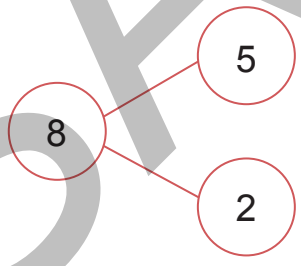
(1)



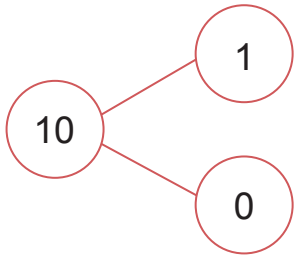
(3)



(2)



(4)



( )

SAMPLE

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15. 3 more than 6 is _____.

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

16. Mrs Lee has 10 chocolate bars. She gives 4 chocolate bars to John and the rest to Janelle. How many chocolate bars does Janelle get?

(1) 2 (3) 5
(2) 4 (4) 6 ( )

17. 7 + 1 = 9 – _____

(1) 0 (3) 2
(2) 1 (4) 5 ( )

18. ◇ represents the same number. What is the number?

◇ + ◇ = 6

(1) 0 (3) 3
(2) 1 (4) 5 ( )

19. What is the number between 5 and 7?

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

20. Sean has 9 marbles. If Ken has 2 marbles, how many more marbles must he buy in order to have the same number of marbles as Sean?

(1) 5 (3) 7
(2) 6 (4) 8 ( )

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SECTION B

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

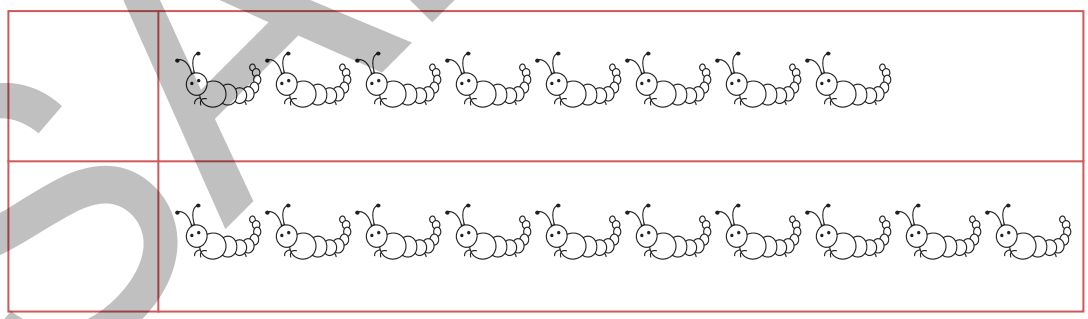
21. Draw the correct number of oranges in each box.

eight	three

22. (a) Write 10 as a word. _____

(b) Write seven as a number. _____

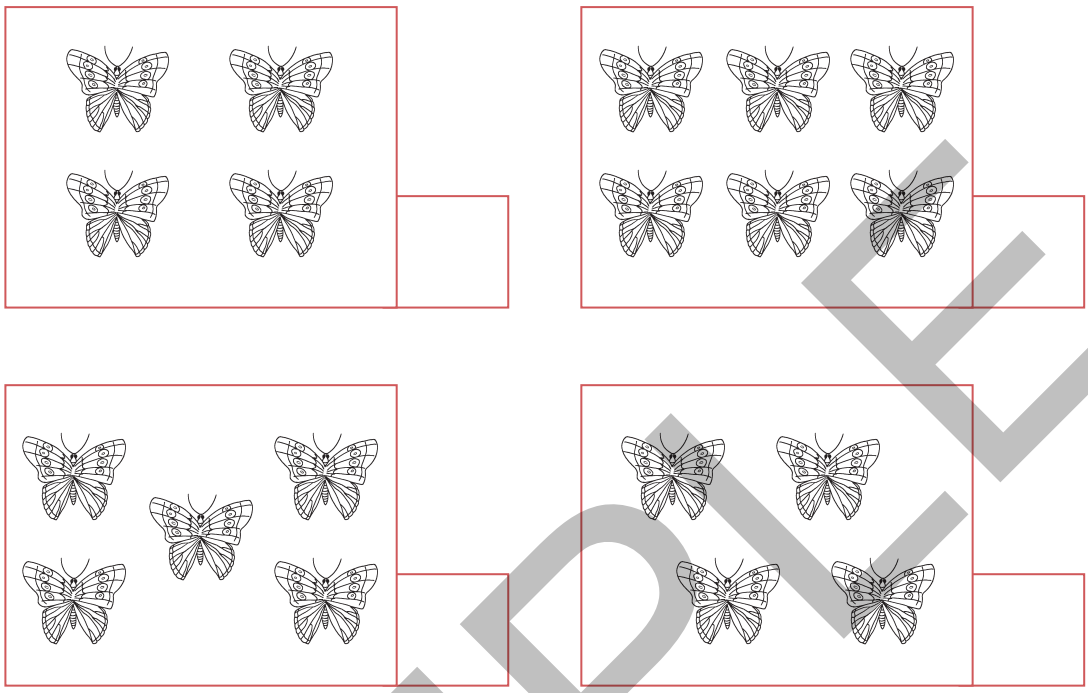
23. Tick (✔) the set which has fewer caterpillars.



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24. Tick (✔) the two sets which have the same number of butterflies.



25. Fill in each blank with "+" or "–".

(a) 5 ◯ 1 = 6

(b) 7 ◯ 3 = 4

26. Jason works 7 days a week. He did not go to work for 3 days last week. How many days did Jason work last week?

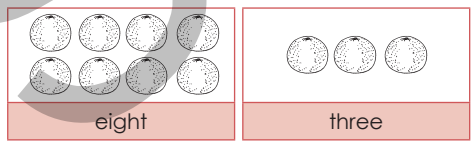
_____ days

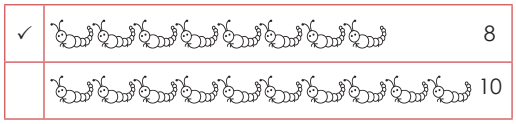
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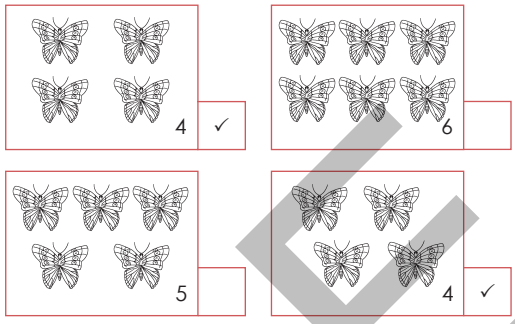
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WORKED SOLUTIONS

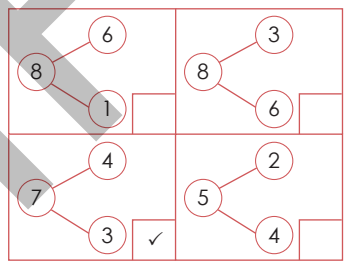
TRIAL TEST 1 (CA1)

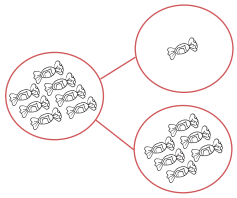
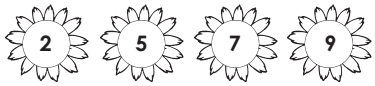
1. **(2)**
2. **(3)**
3. **(4)**
4. **(1)**
   5 + 2 + 3 = 10 3 + 2 + 4 = 9
   4 + 1 + 3 = 8 6 + 0 + 1 = 7
5. **(1)**
   7 + 1 = 8
6. **(4)**
   6 – 1 = 5
7. **(3)**
8. **(2)**
   8 – 2 = 6
9. **(4)**
   Option (4) is wrong.
   5 + 4 = 9
10. **(3)**
    There are 7 pencils altogether. 2 are broken.
    5 pencils are not broken.
11. **(1)**
    Four comes next in the pattern.
12. **(3)**
    2 + 6 = 8 5 + 4 = 9
    4 + 4 = 8 6 + 4 = 10
13. **(2)**
    8 – 5 = 3
14. **(1)**
    7 + 0 = 7
15. **(4)**
    3 + 6 = 9
16. **(4)**
    10 – 4 = 6
17. **(2)**
    7 + 1 = 8
    8 = 9 – 1
18. **(3)**
    3 + 3 = 6
19. **(2)**
    5, 6, 7
20. **(3)**
    9 – 2 = 7
21. 

22. **(a) ten**
    (b) 7
23. 

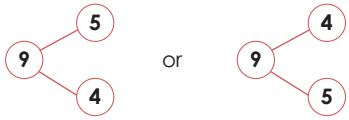
24. 

25. **(a) +**
    5 + 1 = 6
    (b) –
    7 – 3 = 4
26. **4**
    7 – 3 = 4
27. 

28. **5**
    2 + 3 = 5
29. 

    4 + 3 = 7
30. **6**
    8 – 2 = 6
31. **7**
32. 
33. 

34. There are 10 birds and 8 worms.
    (a) more **(b)** fewer
35. 

36. 

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