FIRST SEMESTRAL EXAMINATION
2016

PRIMARY 3

MATHEMATICS

DURATION: 1 HOUR 45 MINUTES

Section A	/ 40
Section B	/ 40
Section C	/ 20

Total:	/ 100

Name: _____ (   )
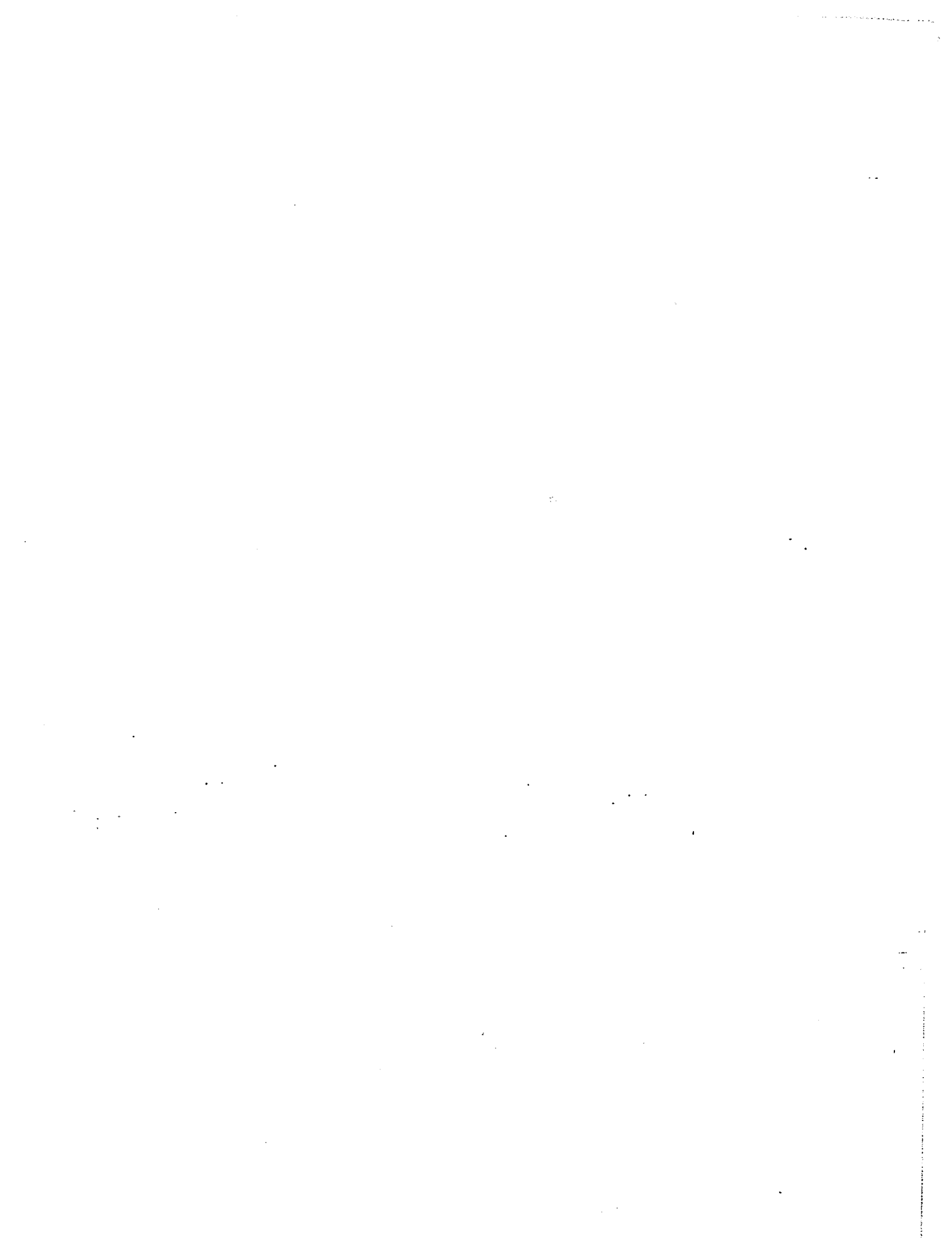
Class: Primary 3 (   )

Date: _____

Any query on marks awarded should be raised by 18th May 2016. We seek your understanding in this matter as any delay in the confirmation of marks will lead to delays in the generation of results.

Parent's Signature: _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.
FOLLOW ALL INSTRUCTIONS CAREFULLY.
ANSWER ALL QUESTIONS.

Section A

Questions 1 to 20 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet.

(Total: 40 marks)

1. There are _____ in 4420.

   (1)   44 hundreds 20 tens   (2)   44 hundreds 2 tens
   (3)   4 hundreds 20 tens   (4)   4 hundreds 2 tens

2. 8009 is [   ] more than 7909.

   (1)   1   (2)   10
   (3)   100   (4)   1000

3. Form the smallest 4-digit odd number with the given digits below.

3	2	0	7	6

   (1)   2036   (2)   2037
   (3)   2367   (4)   2376

4. What is the sum of 4162 and 2537?

   (1)   6689   (2)   6699
   (3)   6709   (4)   6700

5. The product of 101 and 8 is _____.

   (1)   93   (2)   109
   (3)   808   (4)   888

6. Rinda has 100 buttons.
   Emily has 10 times as many buttons as Rinda.
   How many buttons does Emily have?

   (1) 10
   (3) 110
   (2) 90
   (4) 1000

7. Twenty dollars and fifty cents is the same as _____ cents.

   (1) 1205
   (3) 2005
   (2) 1250
   (4) 2050

8. $5729 = 5000 + \boxed{} + 9$

   What is the missing number?

   (1) 72
   (3) 720
   (2) 700
   (4) 7200

9. Ai Ling had 445 game coupons at first.
   She won another 1220 game coupons.
   How many game coupons did she have in the end?

   (1) 567
   (3) 1665
   (2) 775
   (4) 1674

10. Ben and Citra collected 2709 stamps altogether.
    Ben collected 1467 stamps.
    How many stamps did Citra collect?
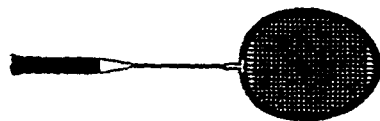
    (1) 1242
    (3) 1362
    (2) 1342
    (4) 4176

11. There are 476 seats in a train.
How many seats are there in 7 such trains?

(1) 2832
(2) 2892
(3) 3292
(4) 3332

12. When a number is multiplied by 8, the product is 272.
What is the number?

(1) 34
(2) 264
(3) 280
(4) 2176

13. Elysha had 198 beads.
She bought another 96 beads.
She then packed all the beads equally into 6 boxes.
How many beads were there in each box?

(1) 17
(2) 49
(3) 294
(4) 1764

14. After spending on a badminton racket and 5 shuttlecocks, Linda had
$8.70 left.
How much did she have at first?

Badminton Racket   Shuttlecocks
$13.00   5 for $2.00

(1) $6.30
(2) $15.00
(3) $23.70
(4) $31.70

15. 38 pupils took part in a Mathematics competition.
Prizes were given to pupils who scored 90 marks and above.
How many pupils received prizes?

Scores	Numbers of pupils
80 to 84	11
85 to 89	12
90 to 94	?
95 to 100	

(1)   6
(2)   9
(3)   15
(4)   23

16. Box A contains 2805 balls.
Box B contains 1700 more balls than box A.
How many balls are there altogether?

(1)   1105
(2)   3910
(3)   4505
(4)   7310

17. Debby counted 2500 saga seeds in a jar.
She removed 686 saga seeds from the jar.
How many saga seeds were left in the jar?

(1)   1814
(2)   1824
(3)   2814
(4)   2186

18. 2 similar books and 1 file cost $70.
The book cost thrice as much as the file.
Find the cost of one book.

(1) $7
(2) $10
(3) $21
(4) $30

4

19. The advertisement below shows the price of tickets to enter an amusement park.

sale 👉
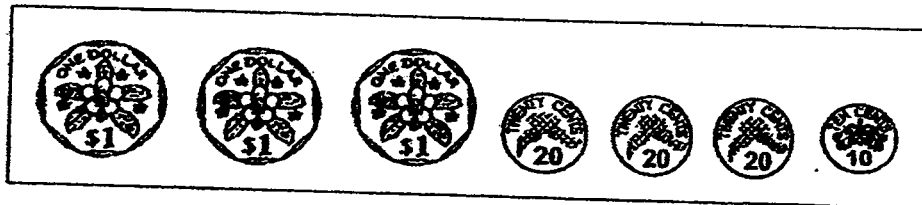Price of Tickets

1 Adult- $80
1 Child- $40

PROMOTION PRICE
Family Promotion
1 Adult & 1 Child
$110

Mr Lee went to the amusement park with his wife and 4 children.
What is the least amount of money Mr Lee paid for all the tickets?

(1) $190
(3) $300
(2) $220
(4) $320

20. There were some coins on the table.

Jack took some coins and put them in his empty wallet.
Which one of the following is **not likely** to be the amount of money in his wallet?

(1) $1.20
(3) $3.10
(2) $2.90
(4) $3.50

Questions 21 to 40 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. Marks will be awarded for relevant number sentences. For questions which require units, give your answers in the units stated.

(Total: 40 marks)

21.   Write the following in numerals.

(a) | Seven thousand, eight hundred and thirty-four | |

(b) | Four thousand and forty-four | |

22.   Arrange the numbers below from the greatest to the smallest.

| 8890 | 8908 | 8809 | 8089 |

| | | | |

23. What is 100 more than 1995?

Answer : _____

24. Study the pattern below.

24, 32, 40, 48, _____, 64

What is the missing number?

Answer : _____

25. Find the value of 238 x 6.

Answer : _____

26. Xiao Mei had 169 litres of milk.
    She poured all the milk into 9-litre containers.
    What was the smallest possible number of containers she had used?

Answer : _____

27. What is 2000 more than the sum of 4892 and 2984?

Answer : _____

28. Café A sold 2753 muffins.
    Café B sold 531 fewer muffins than Café A.
    How many muffins were sold by Café B?

Answer : _____

29. The difference between two numbers is 2445.
The greater number is 7056.
What is the smaller number?

Answer : _____

30. 2105 people went to a carnival in the morning.
1234 fewer people went in the afternoon than in the morning.
In the evening, the number of people who went there was 3 times
as many as those who went in the afternoon.
How many people went to the carnival in the evening?

Answer : _____

31. There are 3 cards as shown below.
Find the greatest product by using the cards below to form a 3-digit
number and multiply it by 9.

| 1 | 7 | 1 |

Answer : _____

32. Xiao Ming had 350 cookies.
He gave 6 cookies to each friend who attended his birthday party and
was left with 8 cookies.
How many friends were there at his birthday party?

Answer : _____

33. Ali bought 30 stickers.
Bala bought 8 times as many stickers as Ali.
Bala then gave all his stickers to his 5 friends equally.
How many stickers did each of his friends get?

Answer : _____

34. Charlotte had $10.00.
She bought 2 muffins and 1 packet of orange juice.
How much money had she left?

Orange Juice
$1.20 per packet

Muffin
$1.50 each
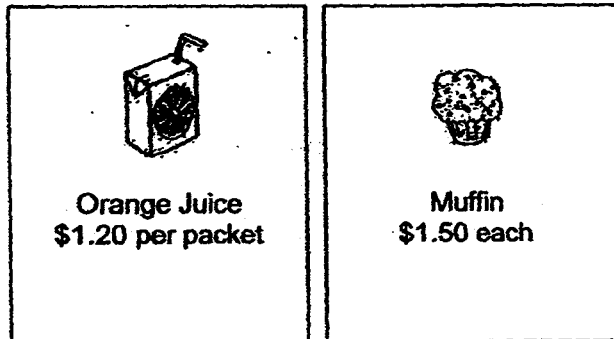
Answer : $_____

35. Find the missing number in the number pattern below.

5090, _____, 4890, 4790, 4690, 4590

Answer : _____

36. Ella folded 3045 paper cranes.
She folded 1990 paper cranes more than Fabian.
Gina folded 150 paper cranes fewer than Fabian.
How many paper cranes did Gina fold?

Answer : _____

37. When 5 boys shared some marbles equally, each of them had 64 marbles.
When the marbles were shared equally with 2 more boys, how many marbles were left?

Answer : _____

38. Raja bought a shirt that cost $39.50 and a pair of trousers that cost
    $26.50.
    He paid the cashier the exact amount with a fifty-dollar note and some
    two-dollar notes.
    How many two-dollar notes did he use?

    Answer : _____

39. Sue went to a Stationery Fair.
    Pens were sold at $0.50, $1.50, $2.50 and $4.
    She bought three pens for $6.
    What were the prices of the pens?

    The prices of the pens were _____, _____ and _____.

40. There were some children in a room.
    After 8 boys left the room and 15 girls entered the room, there were
    51 children in the room.
    How many children were there in the room at first?

    Answer : _____

Questions 41 to 45 carry 4 marks each. Do these word problems carefully. Show your working clearly in the space provided below each question. Marks will be awarded to relevant number sentences and word statement.

(Total: 20 marks)

41. There are 6384 blue marbles and orange marbles altogether.
    There are 2436 blue marbles.

    (a) How many orange marbles are there?

    (b) How many more orange marbles than blue marbles are there?

42. Mrs Tam gave $347 to Amber, Benny and Carl.
    Amber received 3 times as much money as Benny and Carl received $159.
    How much money did Amber receive?

43. Jenny's mother gave her $2 to buy 2 pears.
    Instead, Jenny bought 3 pears and received twenty cents as change.
    How much change would Jenny receive if she had bought 2 pears?

44. Lucy bought 15 oranges and 10 apples on Sunday.
Each day, she eats 2 oranges and 1 apple.
She starts eating her fruits on Monday.

(a) At the end of which day will there be an equal number of oranges and apples?

Day	Sun	Mon	Tues	
Number of oranges	15			
Number of apples	10			

(b) How many more apples than oranges were there on Saturday?

45. Steven and Ting Ting shared 400 cubes equally.
After Steven gave away some cubes, Ting Ting has 8 times as many cubes as Steven.
How many cubes did Steven give away?

EXAM PAPER 2016

SCHOOL   : NANYANG PRIMARY SCHOOL (PRIMARY)
SUBJECT   : PRIMARY 3 MATHEMATICS
TERM   : SA1 EXAMINATION

BOOKLET A

Q1	Q2	Q3	Q4	Q5
2	3	2	2	3
Q6	Q7	Q8	Q9	Q10
4	4	3	3	1
Q11	Q12	Q13	Q14	Q15
4	1	2	3	3
Q16	Q17	Q18	Q19	Q20
4	1	4	3	2

Q21(a) 7834

Q21(b) 4044

Q22 8908, 8890, 8809

Q23 2095

Q24 56

Q25 1428

Q26 19

Q27 9876

Q28 2222

Q29 4611

Q30 2613

Q31 6399

Q32 57

Q33 48

Q34 $5.80

Q35 4990

Q36 905

Q37 5

Q38 8

Q39 $0.50, $1.50 and $4.00

Q40 44

Q41(a) 6384 – 2436 = 3948
There are 3948 orange marbles.

Q41(b) 3948 – 2436 = 1512
There are 1512 more orange marbles than blue marbles.

Q42 $347 - $159 = $188
     $188 ÷ 4 = 47
     $47 x 3 =$141
  Amber received $141

Q43 $2.00 - $0.20 = $1.80
    $1.80 ÷ 3 = $0.60
    $0.60 x 2 = $1.20
    $2.00 - $1.20 = $0.80
Jenny would have received $0.80 change if she had bought 2 pears.

Q44 (a)

Day	Sun	Mon	Tues	Wed	Thurs	Fri	Sat	Sun
Number of oranges	15	13	11	9	7	5	3	2
Number of apples	10	9	8	7	6	5	4	3

On Friday there will be equal number of oranges and apples.

Q44(b) $5 - 2 = 3$
$5 - 1 = 4$
$4 - 3 = 1$

There will be 1 more apple than oranges on Saturday.

Q45 $400 \div 2 = 200$
$200 \div 8 = 25$
$25 \times 7 = 175$

Steven gave away 175 cubes.