Name: _____( )

Class : Primary 4 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL(PRIMARY)

Primary 4 Mathematics

First Continual Assessment 2012

Mathematics
Booklet A

27 February 2012

TOTAL TIME FOR BOOKLETS A AND B: 1 hour 45 minutes

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

This booklet consists of 8 printed pages including the cover page.

Section A: (20 x 2 marks)

For each question, four options are given. One of the options is the correct answer. Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet. Please use only 2B pencil and SHADE the oval completely.

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1. Thirty-four thousand, nine hundred and eight written in numerals is _____.

   1) 3 498
   2) 34 098
   3) 34 908
   4) 34 980

2. In the sum of 45 900 and 28 479, the digit 4 stands for _____.

   1) 40
   2) 400
   3) 4000
   4) 40000

3. Subtract 589 from 20 hundreds. Round off the answer to the nearest ten.

   1) 400
   2) 580
   3) 1400
   4) 1410

4. What is the difference between the largest factor of 56 and the smallest factor of 84?

1) 83
2) 57
3) 55
4) 85

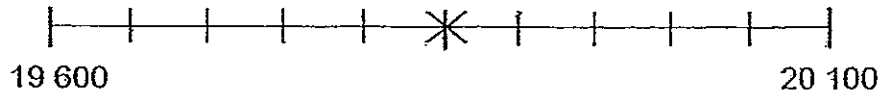
5. Which one of the following is arranged in descending order?

1) 41 304, 41 340, 41 031, 44 340
2) 59 077, 50 567, 57 567, 58 880
3) 66 700, 66 070, 60 760, 60 076
4) 78 221, 78 211, 79 281, 79 282

6. 3000 more than 78 230 is_____.

1) 75 thousands, 2 hundreds, 30 ones
2) 75 thousands, 29 hundreds, 3 tens
3) 75 thousands, 30 hundreds, 53 tens
4) 75 thousands, 62 hundreds, 30 ones

7. What is the number marked by the cross on the number line?



1) 19 650
2) 19 850
3) 20 000
4) 20 050

15

8. Which of the following are common factors of 36 and 54?

1) 3 and 27
2) 3 and 12
3) 6 and 18
4) 6 and 30

9. Which one of the following is the best estimate for $2913 \div 5$?

1) $2900 \div 5$
2) $2910 \div 5$
3) $2930 \div 5$
4) $2950 \div 5$

10. Which one of the following numbers is 37 400 when rounded off to the nearest hundred **and** when rounded off to the nearest ten?

1) 37 449
2) 37 405
3) 37 395
4) 37 387

11. The eighth multiple of 6 is the same as the _____ multiple of 12.

1) 48^{th}
2) 12^{th}
3) 8^{th}
4) 4^{th}

12. Round off each number to the nearest hundred. Then estimate the difference.

45 778 – 3932

1) 41 850
2) 41 870
3) 41 900
4) 42 000

13. Which one of the following fractions is the greatest?

1) $\frac{1}{3}$
2) $\frac{1}{7}$
3) $\frac{2}{9}$
4) $\frac{2}{11}$

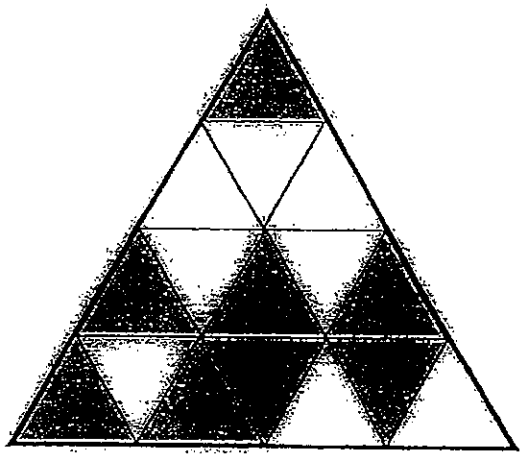
14. There were 3076 red marbles in a box. There were 4 times as many blue marbles as red marbles in the box. How many marbles are there in the box altogether?

1) 615
2) 769
3) 12 304
4) 15 380

15. The clock in the hall shows 20 minutes to noon. If the clock is 45 minutes slower than the actual time, what is the actual time?

1) 10.55 a.m.
2) 11.35 a.m.
3) 12.25 p.m.
4) 1.05 p.m.

16. In the figure the big triangle is made up of identical smaller triangles. If 2 more small triangles are shaded, what fraction of the figure will be shaded?

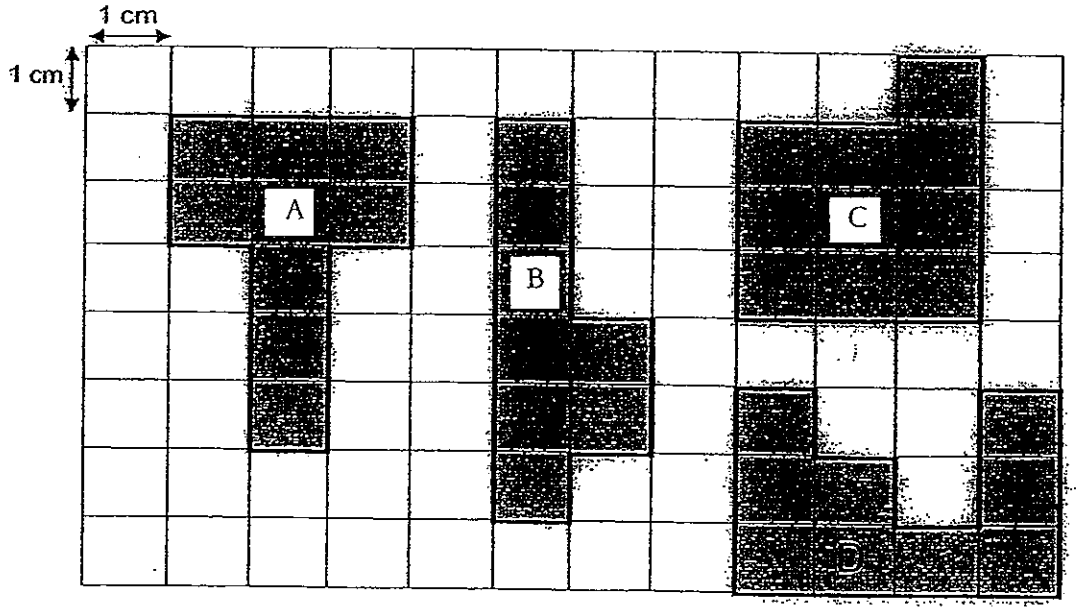


1) $\frac{1}{2}$
2) $\frac{2}{3}$
3) $\frac{3}{5}$
4) $\frac{5}{8}$

17. Jolina is 12 years older than Thea. Their total age is 58 years. How old is Jolina?

1) 41
2) 35
3) 29
4) 23

18. Study the figures below carefully.
The area of figure A is bigger than the area of figure _____ while the perimeter of figure A is longer than the perimeter of figure _____.



1) B, C
2) C, B
3) D, C
4) B, D

19

19. There are 3480 women in an auditorium. The total number of people in the auditorium is 6000 when rounded off to the nearest hundred. What is the greatest possible number of men in the auditorium?

1) 2569
2) 2570
3) 2669
4) 2670

20. Mrs Rosevelt bought 5 similar boxes and 4 similar bags of cookies. She had a total of 2700 cookies. There were 360 cookies in each box. How many cookies were there in each bag?

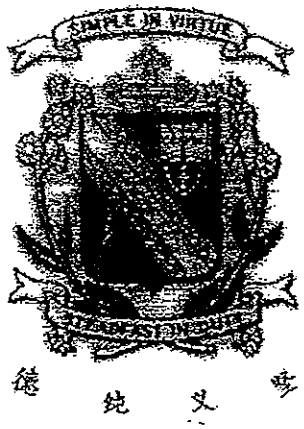
1) 475
2) 450
3) 300
4) 225

* END OF BOOKLET A *

Name : _____ ( )

Class : Primary 4_____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



Primary 4 Mathematics

First Continual Assessment 2012

Booklet B

27 February 2012

Booklet A :	**40**
Booklet B :	**60**
Total Marks	**100**

_____

Parent's/Guardian's Signature

TOTAL TIME FOR BOOKLETS A AND B: 1 HOUR 45 MINUTES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

This booklet consists of 15 printed pages including the cover page.

Section B: (20 x 2 marks)

Write down your answers in the spaces provided. For questions which require units, give your answers in the units stated. Show all workings clearly.

Do not write in this space.

21. Write 51 096 in words.

Ans: _____

22. Use the digits below to form the smallest 5-digit number that is divisible by 5.

8	0	5	6	1

Ans: _____

23. What is the missing number in the box ?

58 426 = 50 000 + [?] + 20 + 400

Ans: _____

24. Study the number pattern below. What is the missing number ?

73 294, 63 193, 53 092, [?], 32 890

Do not write in this space.

Ans:_____

25. List all the factors of 27.

Ans:_____

26. Which 3 fractions will give a sum of 1?

$\frac{5}{6}, \frac{7}{12}, \frac{1}{6}, \frac{1}{4}, \frac{1}{3}$

Ans:_____ , _____ , _____

23

27. There are some balls in a box. In order to win a prize, Tanya must guess the exact number of balls in the box using the clues given:

- It is divisible by 4.
- The sum of its digits is 21.
- It is 880 when rounded off to the nearest ten.

What is the exact number of balls in the box?

Do not write in this space.

Ans: _____

28. When a number is divided by 4, the remainder is 1. When the same number is divided by 6, the remainder is also 1. What is the greatest possible number if the number is less than 55 ?

Ans: _____

29. Gopal was paid $126 for working 6h. How much will he be paid if he worked for 8h ?

Ans: $ _____

Do not write in this space.

30. What is the missing number ?

| ? | ÷ 4 = 3796 R 2

Ans: _____

31. 45 thousands + 150 tens = _____ hundreds

Ans: _____

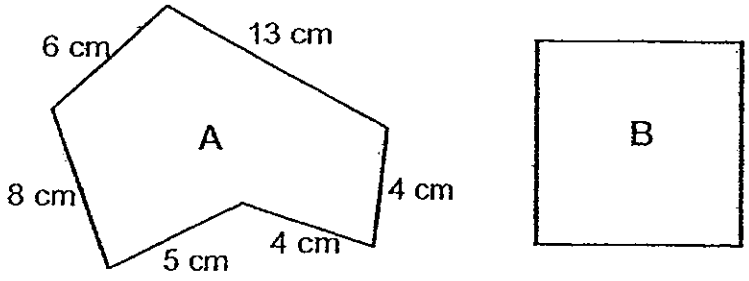
25

32. Mrs Tamochi needs 508 buttons to sew on some cushion covers. The buttons are sold in packets of 10. If each packet of buttons cost $9, what is the least amount of money that Mrs Tamochi needs to buy enough buttons to sew the cushion covers ?

Do not write in this space.

Ans : $ _____

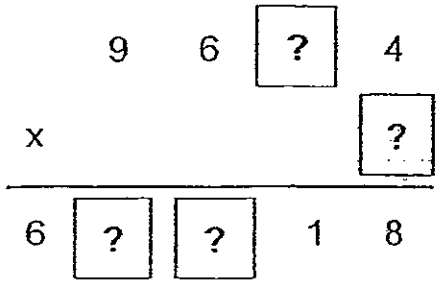
33. The perimeter of the 2 figures, A and B, is the same.
Find the area of square B.



Ans : _____ cm^2

34. The digit in the 4 boxes is the same. What is the missing digit ?

Do not write in this space.



Ans: _____

35. List the first 2 common multiples of 3, 4 and 8,

Ans: _____ and _____

36. A piece of yellow ribbon is $\frac{1}{5}$ m long. A piece of green ribbon is $\frac{1}{10}$ m longer than the yellow ribbon. What is the total length of the yellow and green ribbons? Leave your answer in the simplest form.

Ans : _____ m

27

37. 4 plastic files and 3 staplers cost $33. If each stapler costs $4 more than each plastic file, what is the cost of 11 such staplers?

Do not write in this space.

Ans : $ _____

38. Aberlyn takes 5 minutes to fold a paper flower. She needs to fold 52 paper flowers to decorate a hall. If she starts folding at half past 9 in the morning, at what time will she complete folding all the 52 paper flowers?

Ans: _____ p.m.

39. Josephine gave the cashier $500 to pay for 9 blouses of the same type. She received a change of $68. How much did each blouse cost?

Do not write in this space.

Ans: $ _____

40. 8 teams are taking part in a rugby tournament. Each team must play against each of the other teams. How many games will be played in the tournament ?

Ans: _____

29

Section C: (20 marks)
Solve the following problems. All mathematical working and statements must be shown clearly.

41. There were 20 000 trees in an orchard. 15 488 were apple trees. The rest were orange and pear trees. If there were 3678 more orange trees than pear trees, how many pear trees were there in the orchard?

Do not write in this space.

Ans: _____ (3m)

42. Eugene is 12 years old. His father is 4 times as old as he is. What will their total age be in 10 years' time?

Do not write in this space.

Ans:_____ (3m)

31

43. On Valentine's Day, Shop A sold 7 times as many stalks of roses as Shop B. Shop B sold 184 fewer stalks of roses than Shop C. Shop B sold 792 fewer stalks of roses than Shop A. How many stalks of roses did the 3 shops sell altogether?

Do not write in this space.

Ans:_____ (3m)

44. 28 people from a children's home visited Discovery Cove. They paid a total of $184 of entrance fees. How many adults from the home visited Discovery Cove?

Entrance Frees

Entrance Fees	
Adults	$9 each
Child	$5 each

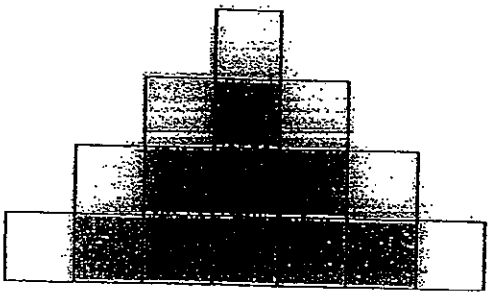
Ans: _____(3m)

Do not write in this space.

33

45. Cheryl was given some black and white cards.
She arranged the cards in the pattern shown.

Layer 1
Layer 2
Layer 3
Layer 4



a) How many black cards will there be in layer 5?

b) Cheryl is able to arrange 8 layers with all the cards. How many black cards did she receive altogether?

Ans: a) _____ (1m)

b) _____ (3m)

Do not write in this space.

46. Mr De Souza bought 144 boxes of oranges. There were 10 oranges in each box. There were 4 rotten oranges in each box. He threw them away and packed the remaining oranges into packets of 8. He gave each guest at a party 2 packets of oranges each. How many guests were there at the party?

Do not write in this space.

Ans: _____ (4m)

** END OF BOOKLET B **

35

ANSWER SHEET

EXAM PAPER 2012

SCHOOL : CHIJ
SUBJECT : PRIMARY 4 MATHEMATICS

TERM : CA1

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

Q18	Q19	Q20
1	1	4

21)Fifty-one thousand and ninety-six **22)10685** **23)8006**

24)42991 **25)1,3,9,27** **26)7/12, ¼ , 1/6** **27)876** **28)49**

29)126÷6 = 21
21 x 8 = $168

30)3796 x 4 = 15184
15184 + 2 =15186

31)45000 + 15000 = 46500
Ans: 465

32)508÷10 = 50 R8
50 + 1 = 51
51 x 9 = $459

33)17 + 9 + 14 = 40
40÷4 = 10
10 x 10 = 100cm^2

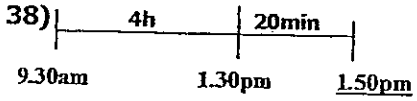
34)7

35)24 and 48

36)1/5 + 1/10 + 1/5 = 2/10 + 1/10 + 2/10
= 5/10 = ½ m

37)$4 x 3 = $12
$33 – $12 = $21
$21÷7 = $3
$3 + $4 = $7
$11 x $7 = $77

38)



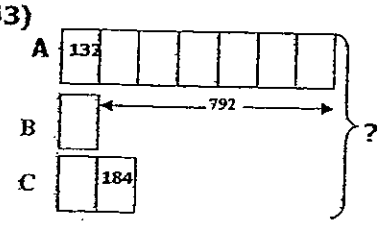
39)$500 – $68 = $432
$432÷9 = $48

40)7+6+5+4+3+2+1=28

41)20000 – 15488 = 4512
4512 – 3678 = 834
834÷2 = 417
There are 417 pear trees in the orchard.

42)12 x 4 = 48 (father)
48 + 12 = 60 (total age)
10 + 10 = 20
60 + 20 = 80
Their total age in 10 years' time is 80

43)



792÷6 = 132
132 x 9 = 1188
1188 + 184 = 1372
The 3 shops sold 1372 roses altogether.

44)

No.of Adult	Cost	No.of children	Cost	Total	Check
14	14x7 =126	14	14 x5 = 70	126+ 70=196	X
12	12 x 9 =108	16	16x5 = 70	80+108 =188	X
11	11 x 9 =99	17	17x5 =85	99+85 =184	✓

$28 \times 5 = 140$
$184 - 140 = 44$
$9 - 5 = 4$
$44 \div 4 = 11$
11 adults visited the discovery cove.

45)a)

Layer	Black cards	White cards
5	7	2
6	9	2
7	11	2
8	13	2

There will be 7 black cards in layer 5.

b)$1+3+5+7+9+11+13 = 49$
She will receive 49 black cards.

46)$10 - 4 = 6$
$144 \times 6 = 864$
$864 \div 8 = 108$
$108 \div 2 = 54$
There were 54 guests at the party.