CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 4 Mathematics

2013 Semestral Assessment Two

Booklet A

28 October 2013

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

Do not open the booklet 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 them 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.

1. 34 thousands and 5 tens is the same as _____.

   1) 345
   2) 3450
   3) 34 005
   4) 34 050

2. How many one-thirds are there in 4 wholes?

   1) $\frac{3}{4}$
   2) $1\frac{1}{3}$
   3) 3
   4) 12

3. Which of the following fractions is in its simplest form?

   1) $\frac{3}{9}$
   2) $\frac{4}{5}$
   3) $\frac{5}{20}$
   4) $\frac{6}{21}$

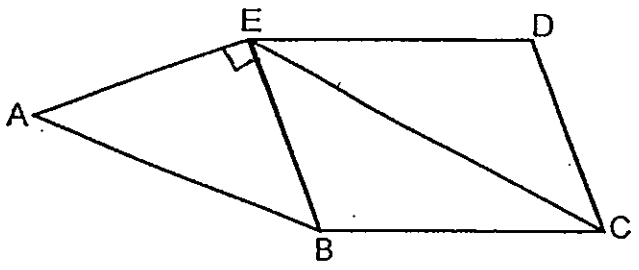
4. In the number 67.89, the digit _____ is in the hundredths place.

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

5. Write $4\frac{3}{20}$ as a decimal.

1) 4.3
2) 4.32
3) 4.15
4) 4.015

6. In the figure, which two lines below are perpendicular?

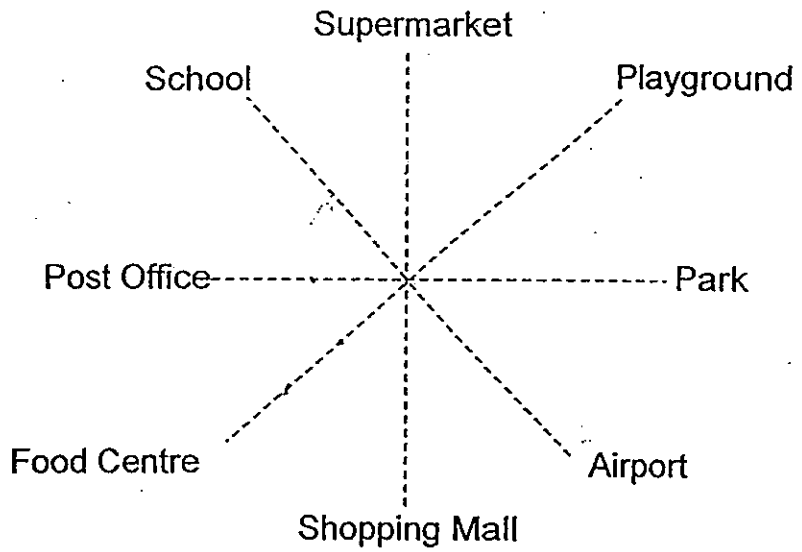


1) AB and BC
2) BC and CD
3) AE and BE
4) AE and CE

7. After giving 23 stickers to each of her 49 friends, Amy had 4 stickers left. How many stickers did she have at first?

1) 1103
2) 1123
3) 1127
4) 1131

The figure below shows the different places in Sunshine Town.
Use the figure to answer question 8.



8. Jolin finds herself facing the Food Centre after making a 90° anti-clockwise turn. Where was Jolin facing before she made the turn?

1) School
2) Post Office
3) Airport
4) Library

9. Which of the following is not an equivalent fraction of $\frac{1}{3}$?

1) $\frac{2}{6}$
2) $\frac{4}{12}$
3) $\frac{6}{18}$
4) $\frac{3}{30}$

10. Hakim drank about 800 mℓ of fruit juice after rounding off to the nearest hundred mℓ. What is the greatest possible amount of fruit juice that he drank?

1) 759 mℓ
2) 849 mℓ
3) 859 mℓ
4) 1000 mℓ

11. What is the missing number in the box?

$$2\frac{2}{8} = \frac{\boxed{?}}{4}$$

1) 6
2) 9
3) 18
4) 32

12. Nathini ran round the school track twice. She took 1 min 28 s to run the first round. She took 45 s longer to run the second round than the first round. What is the total time taken by Nathini to run the two rounds?

1) 133 s
2) 173 s
3) 221 s
4) 301 s

13. If $\frac{3}{8}$ of a number is 9, what is the number?

1) 15
2) 24
3) 27
4) 72

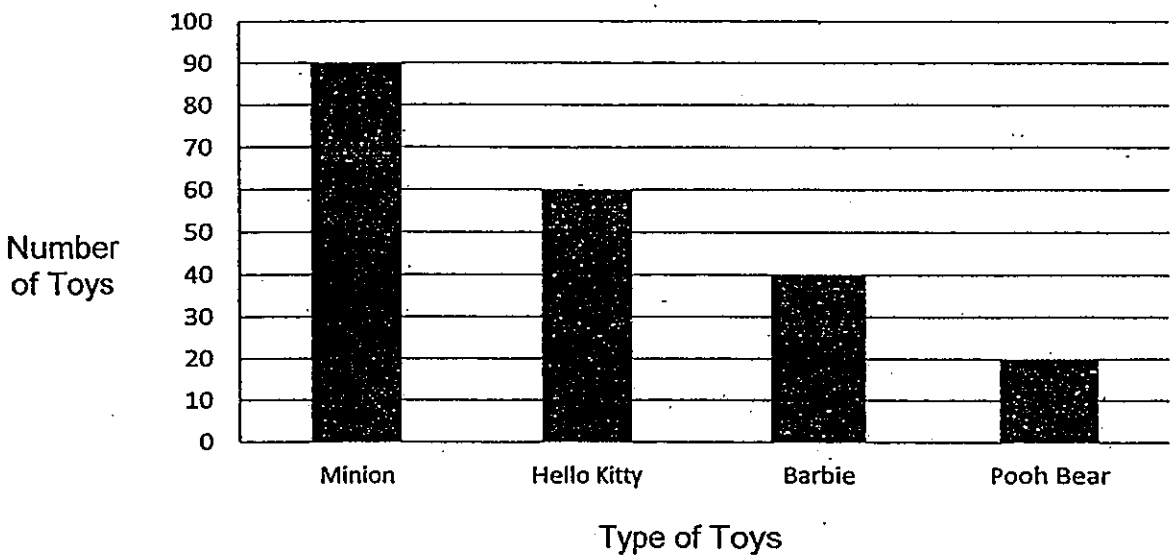
14. Which of the following are common multiples of 6 and 8?

1) 1 and 2
2) 12 and 16
3) 24 and 36
4) 48 and 72

15. A late night movie ended at 00 30. The movie was 2 h 10 min long. At what time did the movie start?

1) 10.20 a.m.
2) 10.20 p.m.
3) 11.40 a.m.
4) 11.40 p.m.

Use the graph to answer questions 16 and 17.
The graph below shows the number of toys Joyce has.



16. Joyce decides to share all her toys equally with 6 friends. How many toys will each friend receive?

1) 25
2) 30
3) 35
4) 45

17. If Joyce were to give away $\frac{4}{5}$ of her Barbie toys, how many toys would she have left altogether?

1) 32
2) 168
3) 178
4) 210

18. The table below shows the number of stamps collected by Vincent.

Country	Number of stamps collected
Malaysia	19
Thailand	23
China	18

What fraction of the stamps collected were from China?

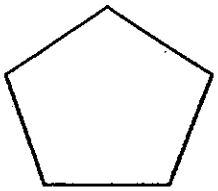
1) $\frac{3}{4}$

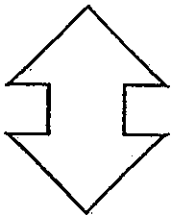
2) $\frac{3}{5}$

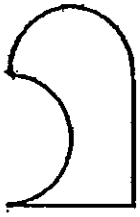
3) $\frac{3}{10}$

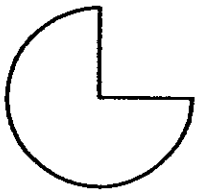
4) $\frac{1}{4}$

19. Which of the following shapes can be tessellated?

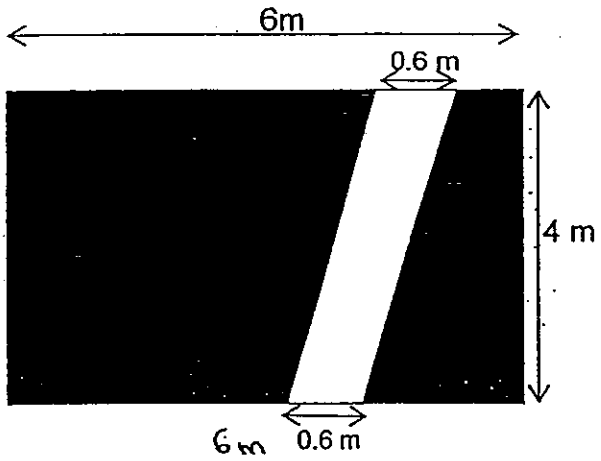
1) 

2) 

3) 

4) 

20. Mrs Velloo wants to cover the floor of her study room with white and black carpet as shown below. Find the area of the floor which is covered with black carpet.



1) 2.4 m^2

2) 3.6 m^2

3) 21.6 m^2

4) 24 m^2

End of Booklet A

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 4 Mathematics

2013 Semestral Assessment Two

Booklet B

28 October 2013

Section A :	**/ 40**
Section B & C :	**/ 60**
Total Marks:	**/ 100**

Parent's / Guardian's Signature

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

Do not open the booklet until you are told to do so.
Follow all instructions carefully.
Answer all questions.

This booklet consists of **13** printed pages including the cover page.

SECTION B: (20 x 2 marks)
Write you answers in the blanks provided.
Show all workings and steps clearly.

Do not write in this space.

21. Write fifty thousand and ninety-three in figures.

Ans:_____

22. Arrange the following numbers in order from the greatest to the smallest.

9.095, 9.59, 9.509

Ans: _____, _____, _____
(greatest) (smallest)

23. 73 694 = 70 000 + 3000 + ? + 90 + 4
What is the missing number?

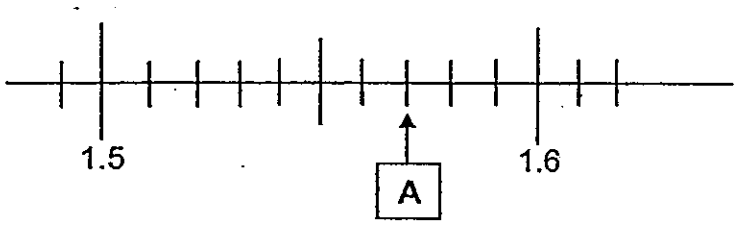
Ans:_____

24. Write $\frac{22}{6}$ as a mixed number in its simplest form.

Do not write in this space.

Ans: _____

25. Write the decimal represented by **A**.

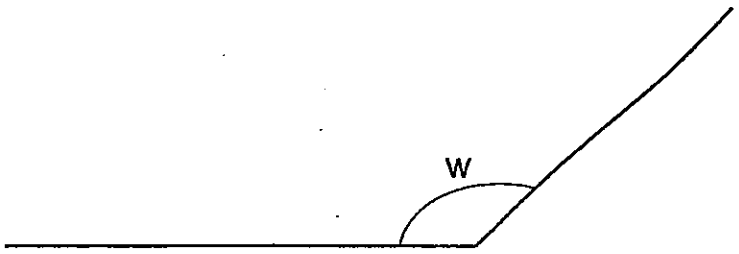


Ans: _____

26. Two factors of 10 are 1 and 10. What are the other two factors of 10?

Ans: _____

27. Measure and write down the size of $\angle w$.



Ans: _____

Do not write in this space.

28. Express 0.06 as a fraction.

Ans: _____

29. What is the value of $\frac{2}{3} + \frac{7}{9}$?

Express your answer as a mixed number.

Ans: _____

30. Ten cones are placed in a straight row at an equal distance apart. The distance between the first and fourth cone is 1.23 m. What is the distance between the first and last cone?

Do not write in this space.

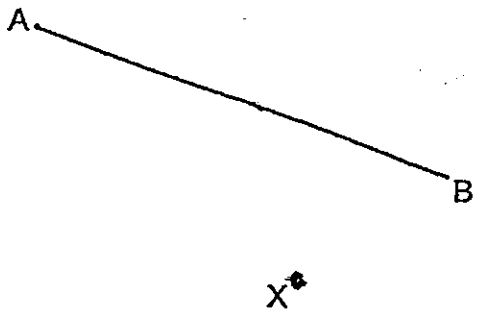
Ans: _____ m

31. A packet of sweets weighs 0.78 kg. How much do 9 such packets weigh?

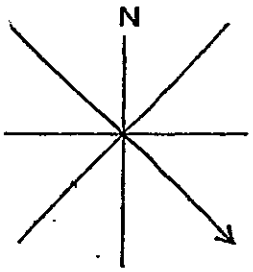
Ans: _____ kg

32. In the figure below. draw a line parallel to AB, passing through point X.

Do not write in this space.



33. Using the 8-point compass shown below, Jonas is facing South-East now. Where will he face after turning 135° clockwise?

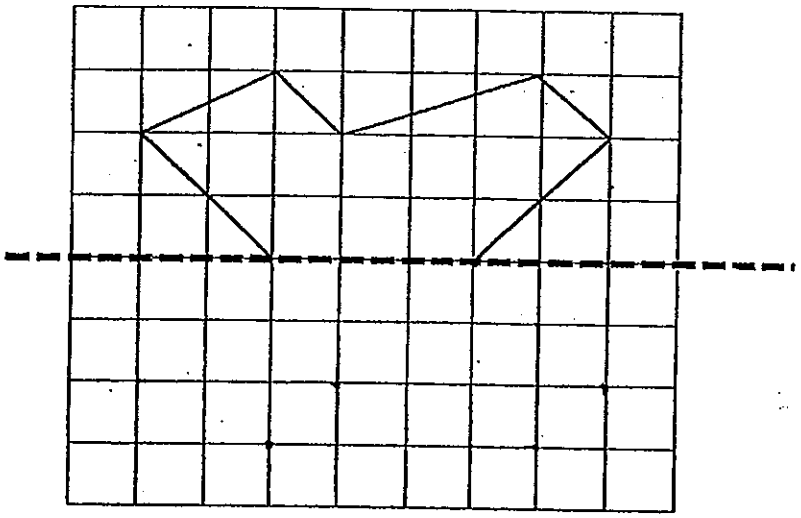


Ans: _____

34. A group of children sat for a quiz. $\frac{3}{8}$ of them were girls. If 40 more boys than girls sat for the quiz, how many children sat for the quiz?

Ans: _____

35. Complete the symmetrical figure using the dotted line as the line of symmetry.

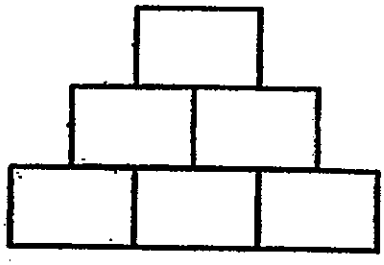


Do not write in this space.

36. The sum of two numbers is 4368. The larger number is 3 times of the smaller number. What is the bigger number?

Ans : _____

37. The figure below is made up of 6 identical rectangles. Each rectangle measures 8 cm by 5 cm. Find the perimeter of the figure.



Ans: _____ cm

38 Aaron goes to the library once every 3 days while Dorothy goes to the library once every 4 days. If the 2 children met at the library on Tuesday, when will be the next time they meet each other at the library again?

Do not write in this space.

Ans: _____

39. Josiah bought 5kg of minced meat. He used $2\frac{5}{7}$ kg of it to cook meat balls. How many kilograms of minced meat did he have left?

Ans: _____ kg

40. A birthday card costs $3. For every 5 cards that Larry buys, he will get 1 card free. What is the smallest amount of money Larry needs to pay in order to get a total of 36 cards?

Ans: $ _____

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

Do not write in this space.

41. The opening hours for Happy Valley Family Clinic are as follows:

Weekdays (Monday to Friday):	**Weekends (Saturday):**
09 00 to 12 00 13 00 to 18 00 19 00 to 21 00	09 30 to 14 00 (Closed on Sundays & Public Holidays)

a) How long is the clinic open on Friday?

b) On Saturday, Amanda reached the clinic at 08 39. How much longer did she have to wait for the clinic to open?

Ans : (a)_____ (2m)

(b)_____ (1m)

42. Tim bought 5 shirts and 3 pairs of trousers. Each pair of trousers cost $25.90. Each shirt cost $6.90 more than each pair of trousers. How much did he pay for all the shirts and trousers?

Do not write in this space.

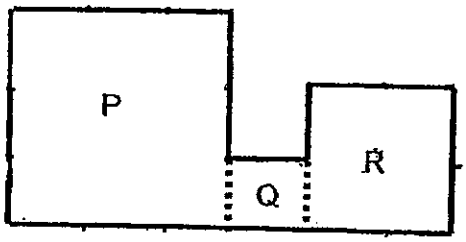
Ans: _____ (3m)

43. Kumar had twice as many stickers as Mina. After Mina gave away 78 stickers, Kumar had 6 times as many stickers as Mina. How many stickers did both of them have at first?

Ans: _____ (3m)

44. The figure below is made up of three squares. The length of the square P is 3 times the length of square Q. The length of square R is 2 times the length of square Q. The total area of squares P and Q is 160 cm^2. What is the area of square R?
(Note : The lengths of the 3 squares are whole numbers.)

Do not write in this space.



Ans: _____ (3m)

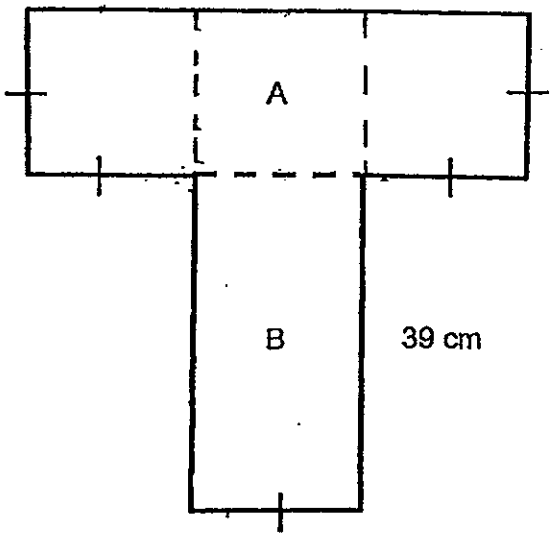
45. Michael read $\frac{1}{4}$ of a storybook on Monday and $\frac{1}{8}$ of it on Tuesday. If he still had 80 pages left to read how many pages are there in the storybook?

Do not write in this space.

Ans: _____ (4m)

46. The figure below is made up of two rectangles, A and B. The perimeter of the figure is 222cm. Find the area of rectangle B.

Do not write in this space.



Ans: _____ (4m)

End of Paper

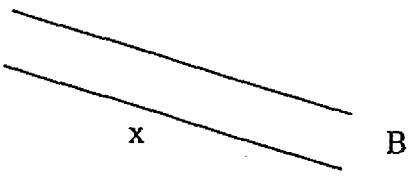
Answer Ke

EXAM PAPER 2013
SCHOOL : CHIJ ST NICHOLAS GIRLS'
SUBJECT : PRIMARY 4 MATHEMATICS
TERM : SA2

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

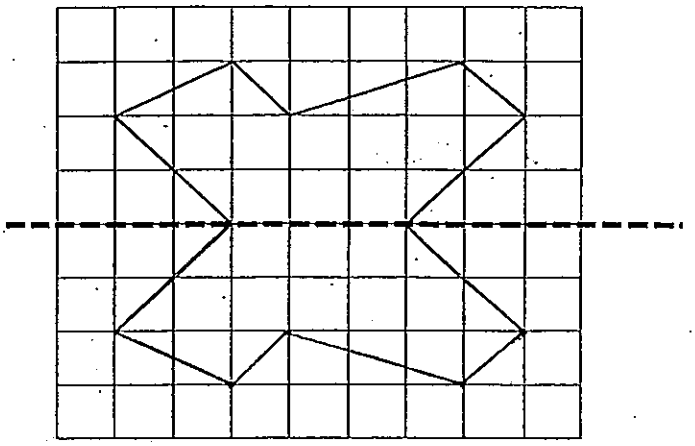
Q18	Q19	Q20
3	3	3

Q21) 50093
Q22) 9.59, 9.509, 9.095
Q23) 600
Q24) 3 2/3
Q25) 1.57
Q26) 2, 5
Q27) 136
Q28) 3/50
Q29) 1 4/9
Q30) 3.69
Q31) 7.02
Q32) A



Q33) west
Q34) 160

Q35)



Q36) 3276
Q37) 78
Q38) Sunday
Q39) 2 2/7
Q40) 90
Q41a) 10h
b) 51min

Q42) 6.90 x 5 = 34.50
25.90 x 8 = 207.20
34.50 + 207.20 = 241.70

Q43) 2u = 78
1u = 78/2 = 39
9u = 39 x 9 = 351

Q44) 10 squares = 160cm^2
1 square = 160/10 = 16cm^2
16 x 4 = 64

Q45) 5u = 80
1u = 80/5 = 16
8u = 16 x 8 = 128

Q46) 222 – 39 – 39 = 144

144/8 = 18
39 x 18 = 702