Name	•)
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Class	: Primary 5	_

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



Primary 5 Mathematics

2013 Semestral Assessment One

Paper 1

Booklet A

13 May 2013

TOTAL TIME FOR BOOKLETS A-AND B: 50 MINUTES

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so. Follow all instructions carefully. Answer all questions. Shade your answers in the Optical Answer Sheet (OAS) The use of calculators is **NOT** allowed.

This booklet consists of 7 printed pages including the cover page.

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 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 correct oval (1, 2, 3, 4) on the Optical Answer Sheet (OAS).

- 1. Which one of the following has the digit 7 in the hundred thousands place?
 - 1) 3 604 789
 - 2) 4 897 036
 - 3) 6/379 480
 - 4) 8746 093
- 2. What is the missing sign in the box?

125 x 99 = 125 x 100 ? 125 x 1

- · 1) +
 - 2) -
 - 3) x
 - 4) ÷
- 3. Find the value of $48-4 \times 2+8$.
 - 1) 32
 - 2) 48
 - 3) 56
 - 4) 96

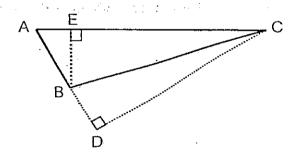
- $\frac{6}{11}$ ÷ 12 has the same value as
 - 1) $\frac{6}{11} \times \frac{1}{12}$

 - 2) $\frac{6}{11} \times \frac{12}{1}$ 3) $\frac{11}{6} \times \frac{1}{12}$
 - 4) $\frac{11}{6} \times \frac{12}{1}$
- What is the missing fraction in the box? 5.

$$1\frac{3}{5} + ? = 5$$

- 1) $4\frac{2}{5}$
 - 2) $3\frac{2}{5}$
- Ida had $\frac{3}{4}$ kg of sugar. She used $\frac{1}{3}$ of it to bake butter cake. How much sugar 6. had she left?
 - 1) $\frac{1}{2}$ kg
 - 2) $\frac{1}{4}$ kg
 - 3) $\frac{4}{9}$ kg
 - 4). $\frac{5}{12}$ kg

- 7. Jon had a piece of rope that was 4 m long. He cut $\frac{4}{9}$ m from each end of the rope. What was the length of the rope left?
 - 1) $3\frac{1}{9}$ m
 - 2) $3\frac{4}{9}$ m
 - 3) $3\frac{5}{9}$ m
 - 4) $3\frac{8}{9}$ m
- 8. In the figure below, not drawn to scale, ABC is a triangle. Given that AB is the base, which one of the following is the height?



- 1) AC
- 2) BD
- 3) BE
- 4) CD

The table below shows the number of stickers 3 children collected.
 Find the ratio of the number of stickers Charles collected to the total number of stickers Wollv and Rei collected.

Wolly	Charles	Rei
9	15	18

- 1) 5 : 3
- 2) 5 : 6
- 3) 5 : 9
- 4) 5 : 14

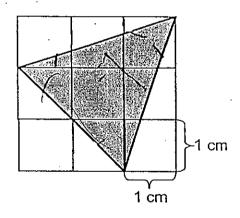
10. Mr Tan put some sweets in packets of 20. He gave Aston 8 such packets. Then he gave Ivy the remaining 6 packets. Find the ratio of the number of sweets Ivy received to the total number of sweets Mr Tan put into the packets.

- 1).3:4
- $2) \cdot 3 : 7$
- 3) 3 : 10
- 4) 3 : 14

11. Suzanne and Josephine each ate $\frac{3}{8}$ of a pizza. Terry ate $\frac{1}{5}$ of the remaining pizza. What fraction of the pizza was left?

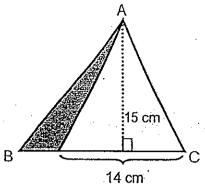
- 1) $\frac{1}{2}$
- 2) $\frac{1}{5}$
- 3) $\frac{3}{10}$
- 4) $\frac{17}{40}$

- 12. Mrs Tong used $\frac{1}{6}$ kg of rice from a container to cook porridge. Then she added $1\frac{7}{8}$ kg of rice into the same container and the mass of rice became $4\frac{1}{2}$ kg. Find the mass of rice in the container at first.
 - 1) $2\frac{1}{24}$ kg
 - 2) $2\frac{19}{24}$ kg
 - 3) $6\frac{5}{24}$ kg
 - 4) $6\frac{13}{24}$ kg
- 13. The figure below is made up of 9 identical squares. What is the area of the shaded triangle?



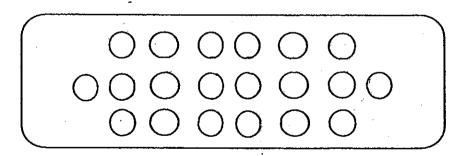
- 1) 2 cm²
- 2) $3\frac{1}{2}$ cm²
- 3) 4 cm²
- 4) $4\frac{1}{2}$ cm²

14. In the triangle ABC shown below, the shaded part is 30 cm². Find the area of triangle ABC.



- 1) 105 cm²
- 2) 120 cm²
- 3) 135 cm²
- 4) 240 cm²

15. How many circles must be shaded so that the ratio of the number of shaded circles to the number of unshaded circles is 2:3?



- 1) 2
- 2) 4
- (3) 8
- 4) 10

End of Booklet A

Name	:(
Class	: Primary 5

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



Primary 5 Mathematics

2013 Semestral Assessment One

Paper 1

Booklet B

13 May 2013

Booklet A	/ 20
Booklet B	· / 20
Total	/ 40

TOTAL TIME FOR BOOKLETS A AND B: 50 MINUTES

INSTRUCTIONS TO CANDIDATES

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

The use of calculators is **NOT** allowed.

This booklet consists of <u>8</u> printed pages including the cover page.

Questions 16 to 25 carry 1 mark each. Write your answers in the spaces provided For questions which require units, give your answers in the units stated.

[10 marks]

Do not write in this space

16. Express $\frac{7}{12}$ as a decimal correct to 1 decimal place.

Ans : _____

17. Find the sum of $\frac{1}{4}$ and $\frac{5}{9}$.

Ans:_____

18. A piece of ribbon of length 15 m is 9 times as long as a piece of string. Find the length of the string. Leave your answer in the simplest form.

Ans:____m

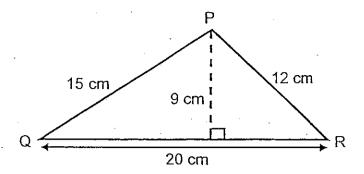
19.	Amina took $\frac{7}{10}$ h to complete her Chinese homework and $\frac{4}{5}$ h to complete	•
	her Science homework. What was the total time Amina took to complete her Chinese and Science homework? Leave your answer in the simplest form.	tnis space
		*
	·	
	Ans : h	
20.	The mass of a basket of fruits is $3\frac{5}{6}$ kg. The empty basket has a mass of	
	$\frac{3}{4}$ kg. Find the mass of the fruits. Leave your answer in the simplest form.	
	en e	,
		<u> </u>
-		!
	Ans: kg	
	Alls.	
	. 1	
21.	Mdm Zhu bought $\frac{4}{7}$ kg of minced meat. She packed them into 6 equal	
·	portions and gave her daughter 4 such portions. What was the mass of minced meat her daughter receive? Leave your answer in the simplest form.	

Ans:

kg 📙

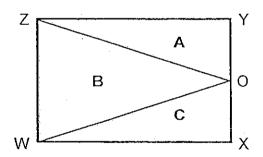
22. Find the area of triangle PQR.

Do not write in this space



Ans:	cm²

23. WXYZ is a rectangle and OX = OY. If the area of A is 55 cm², find the area of B.



Ans:	(cm ²

24. Find the missing number in the box below.

Ans : _____

25. Simplify 84: 28.

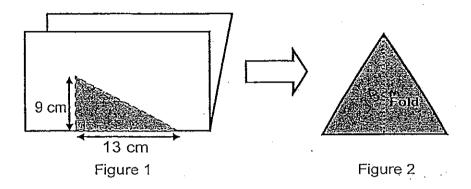
Ans: _____

Questions 26 to 30 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

[10 marks]

Do not write in this space

26. Tabitha folded a piece of paper into half and cut along the dotted line as shown in Figure 1. Figure 2 shows the triangle she obtained from the cut-out. Find the area of the triangle in Figure 2.



Ans : _____ cm²

27. Mrs Chan jogged $2\frac{5}{12}$ km from her house to the park. Her son jogged $\frac{2}{3}$ km less than she did. How many kilometres did both of them jog altogether? Leave your answer in the simplest form.

Ans:____km

28.	A painter bought 40 ℓ of paint to paint an apartment. He used $\frac{5}{8}$ of it to paint 4 rooms of the same size. How many litres of paint were used to paint each room?	Do not write in this space
	Ans:	
29.	Nigel was given a number of 20-cent and 50-cent coins. He was given fewer than 9 coins altogether. What is the largest possible amount of money he was given?	
,		

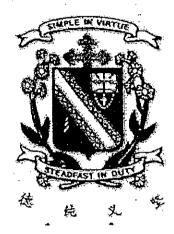
Ans:\$

Do not 30. Jia Yu is 22 years old. She is 4 years older than Kai Kai. Find the ratio of write in this space Kai Kai's age to Jia Yu's age.

End of Paper 1

Name :	()
Class : Primary	5	

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



Primary 5 Mathematics

2013 Semestral Assessment One

Paper 2 13 May 2013

Paper 1	40
Paper 2	60
Total	100

TIME: 1 HOUR 40 MINUTES

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

The use of an approved calculator is expected, where appropriate.

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

Questions 1 to 5 carry 2 marks each. Show your working clearly and write your answers in the space provided. For questions which require units, give your answers in the units stated. (10 marks)

Do not write in this space.

 Raja and Quintus had some game cards. Quintus had 104 more game cards than Raja. After Quintus gave away 218 game cards, Raja then had 4 times as many game cards as Quintus. Find the number of game cards Quintus had in the end.

Ans:

2. At a sale, DVDs are sold in sets of 3. Each set cost \$22. If Mr Ho has \$100, what is the maximum number of DVDs he can buy?

Ans: _____

3. Fu Long had some concert tickets. He sold $\frac{1}{6}$ of the tickets to his classmates and $\frac{3}{5}$ of them to his relatives. If he had sold a total of 138 tickets, find the number of concert tickets Fu Long had at first.

Do not write in this space.

Ans:_____

There were 24 teachers and some pupils at a school camp. Given that there
were 6 teachers for every 42 pupils, find the total number of people at the
camp.

\ns:_____

5.	Hakim was reading in running order stopage 99?	•	•		l write in
	, ·			ega et e e	
٠			Δne·		
	 24		Ans:		
	•				

For questions 6 to 18, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets
[] at the end of each question or part-question.
[50 marks]

Do not write in this space.

6. Mrs Yip bought 42 kg of salt. After filling each of the 7 identical containers completely with salt, she was left with $\frac{1}{3}$ of the original amount of salt. Find the mass of salt in each container.

Ans:____[3]

7. Uncle Leong filled 3 different bottles, X, Y and Z with some water. Bottle X was filled with $2\frac{7}{10}$ ℓ less water than Bottle Y and $\frac{3}{5}$ ℓ more water than Bottle Z. If the total amount of water in the 3 bottles was $8\frac{9}{10}$ ℓ , how many litres of water was there in Bottle Z?

Ans: [3]

8. Amarilyn had a container with a capacity of 6 ℓ . She filled up $\frac{2}{3}$ of the container with cooking oil. Then she used $\frac{5}{6}$ of the cooking oil to fry some fish. How much cooking oil did she use? Leave your answer as a decimal correct to 2 decimal places.

Do not write in this space.

Ans:	131
/ WIO.	 101

9. A fruiterer bought some fruits from the wholesaler. $\frac{3}{8}$ of the fruits were oranges and the rest were apples. Of the oranges he bought, 84 were rotten and were thrown away. He sold the remaining 174 oranges and all the apples. What fraction of the fruits sold were oranges?

Ans: [3]

10. At a funfair, $\frac{5}{9}$ of the visitors were children. $\frac{4}{7}$ of the children were boys. If there were 1449 visitors, find the number of girls at the funfair.

Ans:	 [3]	

11.	Mrs Thor year will	ne was Mrs Thor	born in 1978. I ne be thrice of I	Her daughte her daughter	r was bor 's age?	n in 2012	. In which	Do not write in this space
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	•	-						
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12. Ami read $\frac{1}{4}$ of a storybook on Friday. She read $\frac{3}{5}$ of the remaining book on Saturday.

- a) What fraction of the book did Ami read on Saturday?
- b) If she read 84 more pages on Saturday than on Friday, how many pages did the storybook contain?

Ans: a	a)	[1]	
	b)	[3]	

13. Mr Anan sold an equal number of red files and blue files. He received a total amount of \$276. Each red file cost \$9.80 and each blue file cost \$1.20 less than the red file. How many files did he sell?

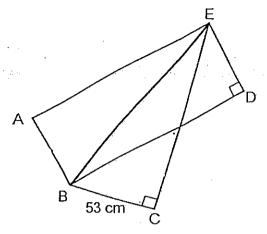
	11	
\ns:	[4]	

14. Mr Aw ordered some chicken, mutton and beef satay for a party. $\frac{3}{11}$ of the satay were mutton. He ordered 60 more sticks of chicken satay than mutton satay. If he ordered 105 sticks of beef satay, how many sticks of satay did Mr Aw order in all?

Ans:[5]	
---------	--

15. ABDE is a rectangle of length 75 cm and breadth 30.5 cm. CE is twice of AB. Find the difference between the area of triangle BCE and triangle BDE.

Do not write in this space.



Ans: _____[4]

16. At Goody Bookshop, there were a total of 816 mechanical pencils, pens and highlighters. The number of pens was 5 times the number of highlighters. There were twice as many pens as mechanical pencils.

- a) How many pens and mechanical pencils were there altogether?
- b) Goody Bookshop received \$264 from the sale of all the highlighters. Find the price of each highlighter if they were all sold at the same price.

\ns : a)[3]	

17. Miss Raj went shopping with her cousin. She spent $\frac{1}{3}$ of her money on a dress and $\frac{5}{12}$ of her money on a pair of shoes. She then spent $\frac{4}{9}$ of the remaining amount on lunch. If she spent \$16 on lunch, how much money did Miss Raj pay for the dress?

Do not write in this space.

Ans: [5]

18. Kit had 2 pieces of wire of the same length. She bent the first piece of wire to form a rectangle as shown in the figure below. Then she bent the second piece of wire to form 2 triangles. If all the sides of the triangles are of the same length, find the total area of the two triangles.

Do not write in this space.

24 cm		19 cm
	45 cm	

Ans: _____ [5]

End of Paper 2

ANSWER SHEET

EXAM PAPER 2013

SCHOOL: CHIJ

SUBJECT: PRIMARY 5 MATHEMATICS

TERM : SA1

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

16)0.6

17)29/36

18)12/3

19)11/2

20)3_{1/12}kg

21)8/21kg

22)90cm₂

23)110cm₂

24)64

25)3:1

26)117cm₂

27)4_{1/6}km

28)6.26L

29)\$3.70

30)9:11

Paper 2

1)218 - 104 = 114

 $114 \div 3 = 38$ game cards

2)\$100÷22≈4

 $4 \times 3 = 12 DVDs$

3)1/6 + 3/5 = 23/30

 $138 \div 23 = 6$

At first \rightarrow 6 x 30 = 180 concert tickets

 $4) group \rightarrow 24 \div 6 = 4$

No.perset \rightarrow 6 = 42 = 48

People \rightarrow 48 x 4 = 192 people

$$5)99 - 9 = 90$$

 $90 \times 2 = 180$
 $180 + 9 = 189$

6)
$$42 \text{kg} \times 2/3 = 28 \text{kg}$$

 $28 \text{kg} \div 7 = 4 \text{kg}$

7)89/10L
$$- \frac{27}{10}L - \frac{3}{5}L - \frac{3}{5}L = 5L$$

5L÷3 = $\frac{12}{3}L$

8)6L x 2/3 = 4L

$$4L \times 5/6 = 3_{1/3}L$$

 $\approx 3.33L$

$$10)7/7 - 4/7 = 3/7$$

 $1449 \times 5/9 = 805$
 $805 \times 3/7 = 345$ girls



12)a)
$$4/4 - \frac{1}{4} = \frac{3}{4}$$

 $3/5 \times \frac{3}{4} = \frac{9}{20}$ of the book
b) $\frac{1}{4} \rightarrow \frac{5}{20}$
 $9/20 - \frac{5}{20} = \frac{4}{20} = \frac{1}{5}$
 $84 \times 5 = 420$ pages

14)3/11 x 2 = 6/11
11/11 - 6/11 = 5/11
60 + 105 = 165
165
$$\div$$
 5 = 33
33 x 11 = 363 sticks of satay

17)
$$$16 \div 4 = $4$$

 $$4 \times 9 = 36
 $$36 \div 3 = 12
 $$12 \times 4 = 48

