Name :_____( )

Class : Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL

Primary 5

First Semestral Assessment – 2009

Mathematics

Paper 1

Booklet A

12 May 2009

15 QUESTIONS
20 MARKS

INSTRUCTIONS TO CANDIDATES:
TOTAL TIME FOR PAPER 1: 50 MINUTES
DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.
FOLLOW ALL INSTRUCTIONS CAREFULLY.
ANSWER ALL QUESTIONS.
YOU ARE NOT ALLOWED TO USE A CALCULATOR.

This booklet consists of 5 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 or 4) on the Optical Answer Sheet. **(20 marks)**

1) What is the sum of 9670 thousands and 36 hundreds?

(1) 963 400
(2) 970 600
(3) 9 666 400
(4) 9 673 600

2) $3\,080\,064 = 3\,000\,000 + \boxed{\ ?\ } + 60 + 4$

What is the missing number in the box?

(1) 800 000
(2) 80 000
(3) 800
(4) 80

3) Evaluate the product of 868 and 70.

(1) 60 760
(2) 52 680
(3) 6076
(4) 5268

4) Express $\frac{19}{8}$ as a decimal

(1) 2.75
(2) 2.38
(3) 2.375
(4) 2.385

5) Annie bought $\frac{3}{4}$ m of cloth. She used $\frac{5}{6}$ m to sew a skirt. How much cloth did she have left?

(1) $\frac{5}{6}$ m
(2) $\frac{11}{12}$ m
(3) $1\frac{1}{12}$ m
(4) $4\frac{7}{12}$ m

6) Find the value of $\frac{11}{12} \times 132$.

(1) 22
(2) 121
(3) 144
(4) 1452

7) Mingzhi had $\frac{7}{8}\ \ell$ of fruit punch. She poured the fruit punch equally into 6 identical cups. Find the amount of fruit punch in each cup.

(1) $\frac{7}{48}\ \ell$
(2) $5\frac{1}{8}\ \ell$
(3) $5\frac{1}{4}\ \ell$
(4) $6\frac{6}{7}\ \ell$

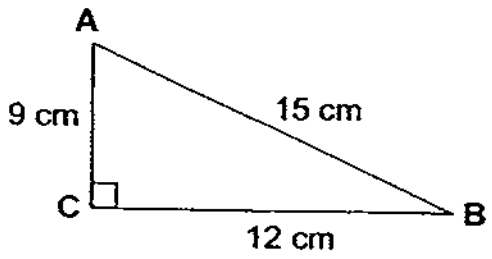
8) A farmer had a plot of land. He planted vegetables on $\frac{3}{4}$ of the land. $\frac{2}{3}$ of the vegetables were potatoes. What fraction of the land was planted with potatoes?

(1) $\frac{1}{2}$
(2) $\frac{1}{12}$
(3) $1\frac{1}{8}$
(4) $1\frac{5}{12}$

9) In 26 : 91 = $\boxed{?}$: 7, what is the missing number in the box?

(1) 1
(2) 2
(3) 3
(4) 4

10) Find the area of Triangle ABC.



(1) 45 cm^2
(2) 54 cm^2
(3) 90 cm^2
(4) 108 cm^2

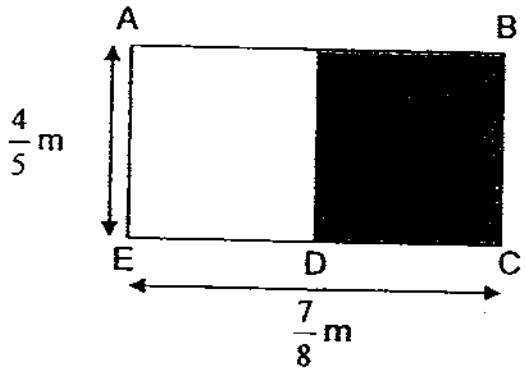
11) Evaluate the value of $104 + (98 - 42) \div 8 \times 6$.

(1) 78
(2) 120
(3) 146
(4) 183

12) Mr. Hosen was given a task to paint a wall that was $6\frac{3}{4}$ m high. He painted $3\frac{2}{3}$ m on the first day and $1\frac{1}{6}$ m on the second day. How many more metres did he have to paint to complete the task?

(1) $1\frac{11}{12}$ m
(2) $3\frac{1}{12}$ m
(3) $5\frac{7}{12}$ m
(4) $11\frac{7}{12}$ m

13) The figure shows a rectangle ABCE. D is the midpoint of the rectangle. Find the shaded area.



(1) $3\frac{7}{20}$ m^2

(2) $2\frac{19}{40}$ m^2

(3) $1\frac{2}{5}$ m^2

(4) $\frac{7}{20}$ m^2

14) There are 150 pupils in a drama school. 90 of them are girls. What is the ratio of the number of boys to the number of girls?

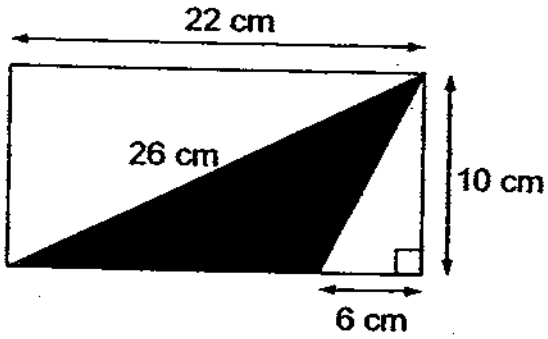
(1) 2 : 3

(2) 2 : 5

(3) 3 : 2

(4) 3 : 5

15) Find the area of the shaded triangle.



(1) 30 cm^2

(2) 80 cm^2

(3) 208 cm^2

(4) 286 cm^2

End of Booklet A

Name : _____( )

Class : Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL

Primary 5

First Semestral Assessment – 2009

Mathematics

Paper 1

Booklet B

12 May 2009

15 QUESTIONS
20 MARKS

INSTRUCTIONS TO CANDIDATES:
TOTAL TIME FOR PAPER 1: 50 MINUTES
DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.
FOLLOW ALL INSTRUCTIONS CAREFULLY.
ANSWER ALL QUESTIONS.
YOU ARE NOT ALLOWED TO USE A CALCULATOR.

This booklet consists of 7 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) Round off 387 759 to the nearest 1000.

Ans: _____

17) Complete the number pattern below.

2 100 080 , 3 300 160 , 4 500 240 , _____?_____.

Ans: _____

18) Larry had 452 cards and Marcus had 388 cards. Larry gave Marcus some of his cards. After that, Marcus had thrice as many cards as Larry. How many cards did Larry have in the end?

Ans: _____

19) What does the letter C in the following sum stand for?

$$1\frac{1}{9} + 2\frac{1}{6} + \boxed{C} = 4$$

Do not write in this space.

Ans: _____

20) Rosalind spent $\frac{1}{4}$ of her money on a dress and $\frac{7}{10}$ of it on a blouse. What fraction of Rosalind's money was spent on the dress and the blouse?

Ans: _____

21) Bethany has 5 children. She gave each child $3\frac{3}{5}$ tarts. How many tarts did she give her children altogether?

Ans: _____

22) $\frac{1}{6}$ of a number is 25. What is $\frac{2}{3}$ of the same number?

Do not write in this space.

Ans: _____

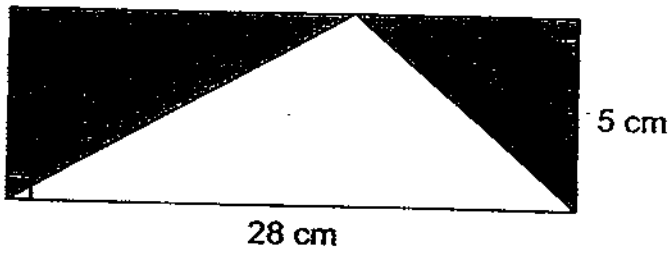
23) Mrs. Lee had $\frac{3}{8}$ kg of flour. She used $\frac{1}{3}$ of it. How much flour was left?

Ans: _____ kg

24) Teck Chin had $45. He spent $15 on a storybook. Find the ratio of the amount of money Teck Chin spent on the storybook to the amount he had left. Leave your answer in the simplest form.

Ans: _____

25) Find the area of the shaded parts.



Ans: _____ cm^2

Do not write in this space.

Questions 26 to 30 carry 2 marks 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.

26) Malcom is 3 years old this year. Ru Hui will be 4 times as old as Malcom in 5 years' time. How old is Ru Hui now?

Ans: _____

27) Rachel's mass is $32\frac{1}{4}$ kg. She is $5\frac{3}{8}$ kg lighter than Celeste. Find their total mass.

Ans: _____ kg

28) The product of two numbers is 216q. If one of the numbers is 6p, find a quarter of the other number.

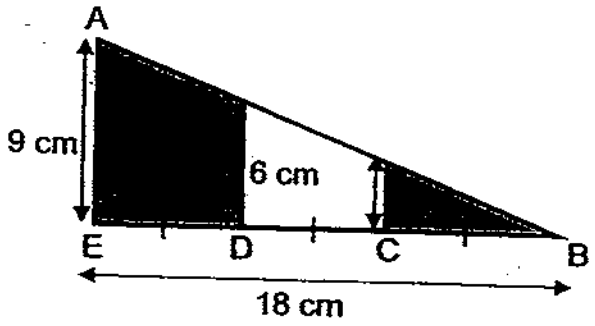
Ans: _____

29) Mrs. Tan had 60 cookies. $\frac{8}{15}$ of them were chocolate cookies and the rest were almond cookies. If $\frac{3}{7}$ of the almond cookies were mouldy, how many almond cookies were mouldy?

Do not write in this space.

Ans: _____

30) Find the total area of the shaded parts.



Ans: _____ cm^2

End of Booklet B

Name : _____ ( )

Class : Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL

Primary 5

First Semestral Assessment – 2009

Mathematics

Paper 2

12 May 2009

Paper 1 Booklet A	20
Paper 1 Booklet B	20
Paper 2	60
Total	100

_____

Parent's signature

18 QUESTIONS
60 MARKS

INSTRUCTIONS TO CANDIDATES:
TOTAL TIME FOR PAPER 2: 1 HOUR 40 MINUTES
DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.
FOLLOW ALL INSTRUCTIONS CAREFULLY.
ANSWER ALL QUESTIONS. YOU ARE ALLOWED TO USE A CALCULATOR.

This paper consists of 14 printed pages including the cover page.

Questions 1 to 5 carry 2 marks each. Show your working clearly in the space provided for each question 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.

1) Electricity usage is charged at 23¢ per kWh. In Mr. Ismail's household, 20 kWh of electricity is used in 1 day. If the same amount of electricity is used every day for the month of January, how much does Mr. Ismail have to pay in electricity charges for that month? (Note: January has 31 days.)

Ans: $ _____ [2]

2) After spending $\frac{1}{4}$ of his money on a pair of sneakers and $120 on transport, Samuel had $\frac{1}{3}$ of his money left. How much money did he have at first?

Ans: $ _____ [2]

3) Cheng sold $\frac{8}{11}$ of his vegetables. Of the remaining vegetables, $\frac{1}{3}$ were tomatoes and the rest were cucumbers. What fraction of all the vegetables was the unsold cucumbers?

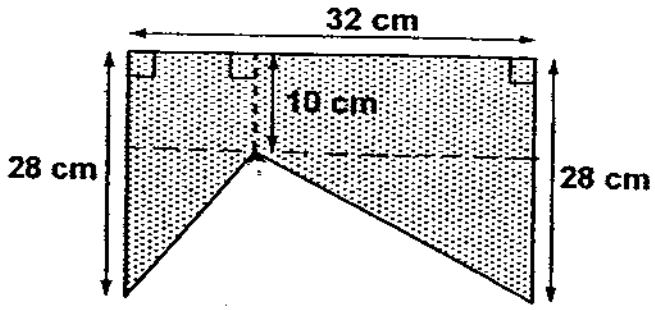
Ans: _____ [2]

4) Aunt Kathy bought $\frac{4}{7}$ kg of chicken wings. She divided the chicken wings into 5 equal portions. Find the total mass of 3 such portions of chicken wings.

Ans: _____ kg [2]

Do no write i this space

5) Find the area of the figure below.



Ans: _____ cm^2 [2]

Do not write in this space.

For questions 6 to 18, show your working clearly in the space provided for each question 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) The total cost of 5 identical crystal vases and 3 identical carpets is $1020.60. A crystal vase costs $45 more than a carpet. Find the cost of a crystal vase.

Ans: _____ [3]

7) Anand buys a car and pays for it in instalments. Each instalment is $2638. After paying 58 instalments, he still has to pay another $796. How much would he have to pay for each instalment if he pays for the car in 16 monthly instalments?

Ans: _____ [3]

8) Contractor Jim took $4\frac{3}{8}$ h to lay the floor of a living room with tiles and $1\frac{5}{6}$ h to lay the floor of a bathroom with tiles. This was $\frac{2}{7}$ h more than the time Contractor Lee took to tile a similar living room floor and bathroom floor. How long did both contractors take in total?

Ans: _____ [3]

9) In a library, $\frac{3}{5}$ of the books are English, $\frac{1}{4}$ of the remainder are Tamil books and the rest are Chinese books. If there are 2487 Chinese books, how many English books are there in the library?

Ans: _____ [3]

Do not write in this space.

10) In a factory, 922 640 ℓ of water are used to operate 19 machines for a week. All the machines need the same amount of water each day.
How many litres of water are used by each machine in a day?
Express your answer as a decimal correct to 2 decimal places.

Do not write in this space.

Ans: _____ [3]

11) Mrs. Sham had 4 times as many lollipops as chocolate bars. After giving 177 lollipops and 25 chocolate bars to her students, she had thrice as many chocolate bars as lollipops left. How many lollipops and chocolate bars did she have altogether at first?

Ans: _____ [4]

12) The table below shows the number of the different brands of dresses manufactured in an industry.

Brand of dress	Number
Sassy	320
Mondie	518
Nine East	472
Tash	104
Keith and Welsh	256

a) Find the ratio of the number of *Tash* dresses to the total number of dresses manufactured.

b) If $\frac{2}{5}$ of all the dresses were shipped out in the morning and $\frac{5}{6}$ of the remainder were shipped out in the afternoon, what was the number of dresses left?

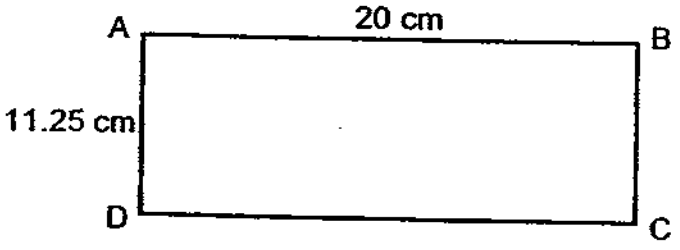
Ans: (a) _____ [2]

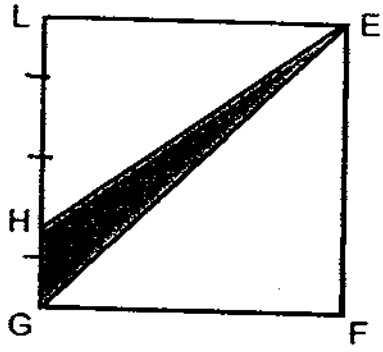
(b) _____ [2]

Do no write i this space

13) The area of rectangle ABCD is equal to the area of square EFGL. Given that the length of GH is $\frac{1}{3}$ the length of HL, find the area of the shaded triangle.

Do not write in this space.





Ans: _____ [4]

14) Janis, Wen Siong and Chris went cycling at East Coast Park. Wen Siong completed $3\frac{3}{4}$km. Janis cycled $\frac{7}{10}$km less than Wen Siong and Chris cycled a distance thrice that of Wen Siong. What is the total distance that the three of them cycled? Leave your answer in km correct to one decimal place.

Do not write in this space.

Ans: _____ [4]

15) Priyanka spent \$670.50 on a necklace and $\frac{2}{3}$ as much on a pair of earrings. She was left with $\frac{1}{6}$ of the total amount spent on the necklace and earrings. She wanted to buy a bracelet with what she was left but realised that she was short of \$381.75. How much did the bracelet cost?

Do no write i this space

Ans: _____ [4]

16) Look at the pattern below.

Position	Number
1st	1
2nd	2
3rd	3
4th	2
5th	3
6th	4
7th	3
8th	4
9th	5
10th	4
11th	5
12th	6

a) At what position does the number 12 first appear?
b) What is the sum of the first 32 numbers?

Ans: (a) _____ [3]

(b) _____ [2]

Do not write in this space.

17) A food stallholder bought a sack of red beans. She kept $\frac{3}{7}$ of the red beans for her sister and gave away the leftovers. She gave 2.8 kg to her friend and $\frac{3}{8}$ of the rest to her neighbour. She saved the remaining 3.02 kg for her own use. How much red beans did she have originally?

Do not write in this space.

Ans: _____ [5]

18) Prema, Tanya and Violette have 960 beads altogether. Prema gave some of her beads to Tanya and the number of Tanya's beads was doubled. Then Tanya gave some of her beads to Violette and the number of Violette's beads was doubled. If the 3 girls had the same number of beads in the end, how many beads did Prema have at first?

Ans: _____ [5]

End of Paper 2

ANSWER SHEET

EXAM PAPER 2009

SCHOOL : CHIJ PRIMARY
SUBJECT : PRIMARY 5 MATHEMATICS

TERM : SA1

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

16)388000 17)5700320 18)210 cards 19)13/18 20)19/20

21)18 tarts altogether 22)100 23)¼kg 24)1:2 25)70cm$_2$

26)27 years old 27)69$_{7/8}$kg 28)9 29)12 almond cookies 30)54cm$_2$

Paper 2

1)20x23¢=$4.60 $4.60x31=$142.60 He have to pay $142.60	2)120÷5=24 24x12=$288 He have $288 at first
3)11/11-8/11=3/11 1/3x3/11=1/11 (unsold tomatoes) 3/11-1/11=2/11(unsold cucumbers)	4)4/7÷5=4/7x1/5=4/35 4/35x3=12/35 3 portion is 12/35kg
5)32x28=896 ½x32x18=288 896-288=608 The area is 608cm$_2$	6)45x5=225 1020.60-255=796.60 (8u) 1u→795.60÷8=99.45 99.45+45=$144.45 The cost is $144.45
7)$2638→1 instalment 58 instalment→58x$2638=$153004 $153004+$796=$153800 $153800÷16=$9612.50 He have to pay $9612.50	8)4$_{3/8}$+1$_{5/6}$=6$_{5/24}$ 6$_{5/24}$-2/7=5$_{155/168}$ 5$_{155/168}$+6$_{5/24}$=12$_{11/84}$h They took 12$_{11/84}$h

9)2487÷3=829 829x6=4974 They are 4974 English books	10)922640÷7=131805.71 131805.71÷19=6937.14 Each machine use 6937.14L
11)25x4=100 177-100=77 77÷11=7 15x7=105 25x5=125 105+125=230	12)a)Tash:104 Total: 320+518+472+104+256 =1670 104:1670=52:835 The ratio is 52:835 b)1670÷10=167 The are 167 left
13)20x11.25=225 $\sqrt{225}$=15x15 15x15=225 15÷4=3.75 ½ x3.75x15=28.125cm2	14)3¾-7/10=$3_{1/20}$ 3¾x3=11¼ 3¾+$3_{1/20}$+11¼=$18_{1/20}$ =18.05km ≈18.1km
15)Necklace:$670.50 2/3x670.50=$447 Total: 670.50+447=$1117.50 1/6x $1117.50=$186.25 $186.25+$381.75=$568	16)a)30th b)218
17)5u→3.02 1u→0.604 6u→4.832 4.832+2.8=7.632kg 4u→7.632 1u→7.632÷4=1.908 1.908x7=13.356kg	18)560