

Name : _____ ()

Class : Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL



Primary 5

First Semestral Assessment – 2008

Mathematics

Paper I

Booklet A and B

6 May 2008

Booklet A :	/ 20
Booklet B :	/ 20
Total :	40

Duration of Paper: 50 min

Do not open the booklet until you are told to do so

Follow all instructions carefully.

The use of electronic calculator is not allowed.

Booklet A: Multiple Choice Questions (20 marks)

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) Nine million, fifty thousand, nine hundred and ninety written in numeral is _____.

1) 950 919

2) 950 990

3) 9 050 990

4) 9 500 990

2) There are _____ thousands in half a million.

1) 50

2) 500

3) 5000

4) 500 000

3) Divide the difference between 480 000 and 360 000 by 400.

1) 30

2) 300

3) 3000

4) 30 000

4) What is the value of $65 + 2 \times 20 \times (63 \div 7)$?

1) 425

2) 625

3) 11 740

4) 12 060

5) What is the best estimate for 9817×89 ?

1) $10\,000 \times 90$

2) $10\,000 \times 80$

3) 9000×90

4) 9000×80

Booklet B: Short Answers (20 marks)

Questions 16 to 25 carry 1 mark each. Questions 26 to 30 carry 2 marks each.

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this space

Write down your answers in the answer blanks provided. Give your answers in the units stated.

16) Write $\frac{4}{9}$ as a decimal correct to 2 decimal places.

Ans: _____

17) What is the difference between the total value of the digit 7 and the digit 9 in 1 703 988?

Ans: _____

18) $87\,942 = 80\,000 + \boxed{?} + 900 + 40 + 2$

The missing number in the box is _____.

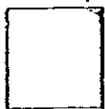
Ans: _____

19) What is the value of $16 \div 3 \times 4 + 8 - 7$?

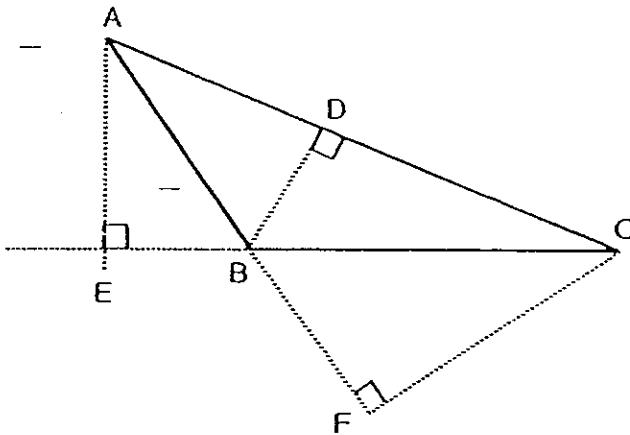
Ans: _____

20) Oranges are sold in a pack of 5 for \$3. What is the maximum number of oranges Sally can buy with \$40?

Ans: _____ oranges



21)



In triangle ABC, if the height is AE, what is the base?

Ans: _____

22) Mrs Tan's family consumes $10\frac{1}{2}$ kg of rice a month. The cost of 1 kg of rice is \$2. What is the cost of the rice consumed by the family in a month?

Ans: \$ _____

23) $\frac{2}{15} + \frac{2}{\square} = \frac{4}{5}$

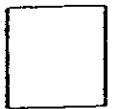
Find the missing number in the box.

Ans: _____

24) Find the product of $\frac{28}{9}$ and $\frac{3}{5}$. Leave your answer as a mixed fraction.

Ans: _____

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- 25) Bob baked 1761 cupcakes. If he packed them into boxes of 36 and the remainder into another box, how many boxes did he use?

Ans: _____ boxes

- 26) Complete the number pattern below.

339 880, 338 780, (a) _____, 336 580, (b) _____

Ans: (a) _____

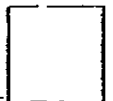
(b) _____

- 27) I am a number between 190 and 207. When divided by 4, the remainder is 2 and when divided by 5, the remainder is 1. What number am I?

Ans: _____

- 28) Peter bought three pieces of wire, X, Y and Z, for his art lesson. Wire Y is $1\frac{3}{4}$ m longer than Wire X. Wire Z is $\frac{3}{8}$ m shorter than Wire Y. How much longer is Wire Z than Wire X?

Ans: _____ m



29) $\frac{4}{5}$ of a number is 36. What is $\frac{1}{3}$ of that number?

Ans:

30) Anna read $\frac{3}{5}$ of a storybook. After reading, she discovered she still had 150 pages left to read. How many pages had she read?

Ans: _ _ pages

----- End of Paper 1 -----

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Class : Primary _____

CHIJ ST NICHOLAS GIRLS' SCHOOL



Primary 5

First Semestral Assessment – 2008

Mathematics

Paper 2

6 May 2008

Paper 1 :	/ 40
Paper 2 :	/ 60
Total :	100

Duration of Paper: 1 h 40 min

Do not open the booklet until you are told to do so

Follow all instructions carefully

The use of electronic calculator is allowed.

Short Answers (10 marks)

Questions 31 to 35 carry 2 marks each.

Write your answers in the answer blanks provided.

Give your answers in the units stated.

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- 31) There were 80 guests at a party. Each guest ate $3\frac{3}{4}$ pieces of pizza.
How many pieces of pizza did the guests eat altogether?

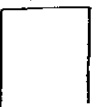
Ans: _____

- 32) What should be added to $1\frac{1}{8}$ and $\frac{1}{12}$ to make 3 wholes?

Ans: _____

- 33) Janet had $1\frac{2}{5}$ m of cloth. She bought another $2\frac{3}{5}$ m of cloth. She used all the cloth to make 3 identical bags. How much cloth did she use to make each bag?

Ans: _____ m

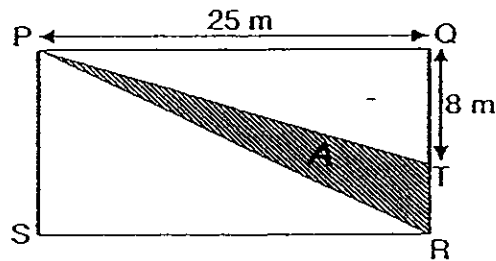


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- 34) Mr Lim bought a piece of land 25 m long and $17\frac{2}{5}$ m wide. The cost of 1 m^2 of land is \$1450. How much did he pay for the piece of land?

Ans: \$ _____

- 35) The perimeter of rectangle PQRS is 78 m. Find the area of the shaded triangle.



Ans: _____ m^2

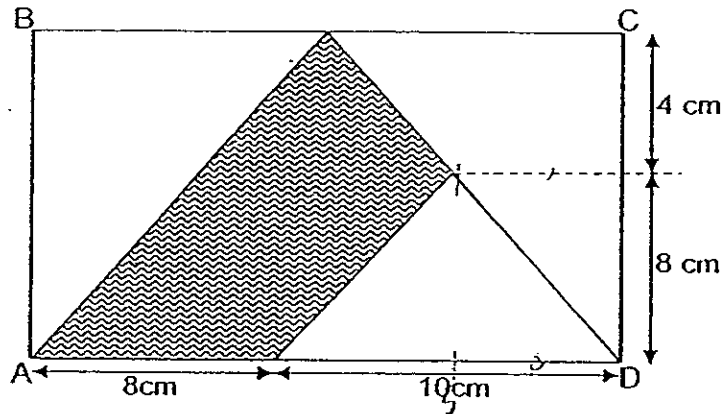


Long Answers (50 marks)

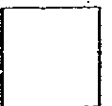
For questions 36 to 48, show your working clearly in the space below each question and write your answer in the spaces provided. The number of marks available is shown in the brackets () at the end of each question or part-question.

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36) ABCD is a rectangle. What is the shaded area?



Ans: _____ (3 m)



- 37) A television set costs 4 times as much as a VCD player. A VCD player costs 5 times as much as a walkman. If the VCD player costs \$240, find the total cost of all the three items.

Do not write in this space.

Ans: _____ (3 m)

- 38) There were 960 seats in an auditorium. 240 tickets were sold to children at \$6.50 each. 500 tickets were sold to adults at \$18 each. The remaining tickets were sold to each senior citizen at half the price of an adult's ticket. Given that the auditorium was completely occupied, how much money was collected from the sale of the tickets?

Ans: _____ (3 m)



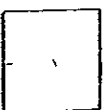
- 39) Raja earns \$897 a week. He spends $\frac{1}{3}$ of his money on transport and $\frac{3}{4}$ of the remaining money on food. How much money does he spend on transport and food?

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Ans: _____ (3 m)

- 40) Dave participated in a triathlon. He cycled $\frac{1}{3}$ of the total distance and swam $\frac{1}{5}$ of it. After running half of the remaining distance, he still had 2.8 km left. What is the total distance of the triathlon? Leave your answer in km.

Ans: _____ (3 m)



41) Cynthia bought a box of pens.

$\frac{1}{8}$ of the pens were black, $\frac{1}{4}$ were blue and $\frac{2}{5}$ of the remainder were red.

If there were 18 red pens, how many pens did she buy?

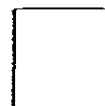
Ans: _____ (3 m)

42) Marcus, Joanna and Shawn had 48 stamps. Marcus had 10 more stamps than Joanna and 14 more stamps than Shawn. When Marcus gave some stamps to Joanna and Shawn, all of them had an equal number of stamps. How many stamps did Joanna and Shawn each receive from Marcus?

Ans: Joanna : _____

Shawn : _____ (4m)

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43)

Samuel spent \$110.85 on a briefcase and $\frac{1}{3}$ as much on a haversack.

He was left with $\frac{1}{4}$ of the total amount spent on the briefcase and the haversack. He realised he needed another \$45.90 to buy a pair of shoes. How much did the pair of shoes cost?

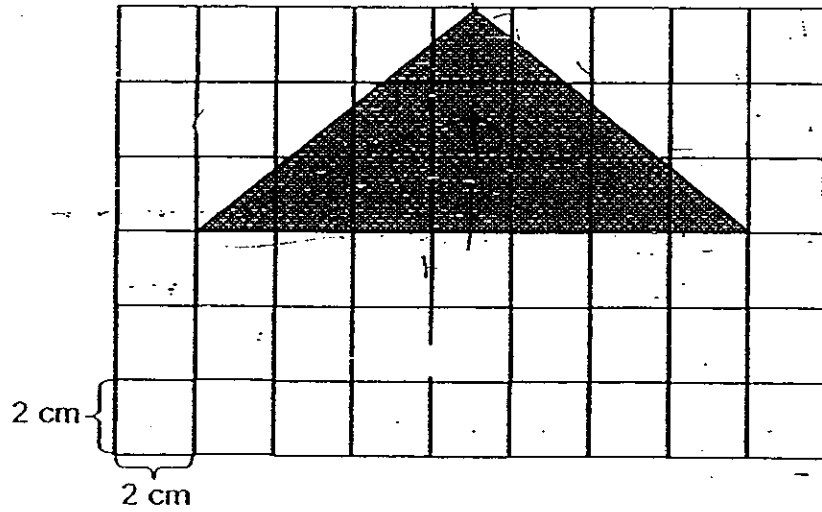
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Ans: _____ (4 m)

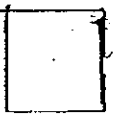


- 44) What fraction of the area of the unshaded parts is the area of the shaded triangle?

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Ans: _____ 4 m)

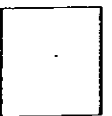


45)

Amy was given some Mathematics questions to solve. She completed $\frac{2}{5}$ of them in the first hour, $\frac{1}{2}$ of the remainder in the second hour, $\frac{1}{6}$ of the remainder in the third hour and $\frac{3}{8}$ of the remainder in the fourth hour. If there were 25 questions not completed, how many questions was she given in all?

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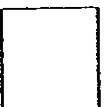
Ans: _____ (5 m)



- 46) Alex and Zoel went shopping with a total of \$138. After Alex spent $\frac{2}{7}$ of his money and Zoel spent \$39, they had the same amount of money left. How much money had Zoel at first?

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Ans: _____ (5 m)

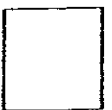


- 47) Hui Hui was given a sum of money to buy some clothes. When she wanted to buy 17 similar dresses, she found she was short of \$8. When she wanted to buy 11 similar dresses and 6 pieces of blouses, she found she had an excess of \$10.
- a) If each piece of blouse cost \$9, how much money did she have at first?
- b) If Hui Hui had \$6 860 and wanted to buy only dresses, what is the maximum number of dresses she could buy?

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Ans: (a) _____ (3 m)

(b) _____ (2 m)

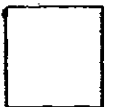


- 48) Mrs Tan bought 6 barrels of wine, A, B, C, D, E and F. Their capacities were 5ℓ , 6ℓ , 8ℓ , 9ℓ , 10ℓ and 11ℓ respectively. She kept one barrel of wine for herself and sold the rest to Mrs Tay and Mrs Ong. Which barrel did Mrs Tan keep for herself if Mrs Tay bought twice as many litres as Mrs Ong?

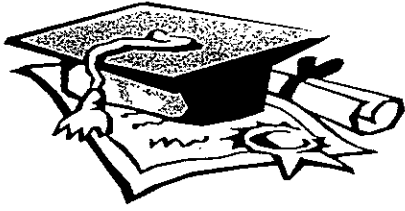
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Ans: _____ (5 m)

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ANSWER SHEET

EXAM PAPER 2008

SCHOOL : CHIJ PRIMARY SCHOOL
SUBJECT : PRIMARY 5 MATHEMATICS

TERM : SA 1

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

16) 0.44

17) 699100

18) 7000

19) $22\frac{1}{3}$

20) 65

21) BC

22) \$21

23) 3

24) $1\frac{13}{15}$

25) 49

26) a) 337680

27) 206

b) 335480

28) $1\frac{3}{8}$

29) 15

30) 225

31) 300

32) $1\frac{19}{24}$

33) $1\frac{1}{3}$

34) Area of land $\rightarrow 17\frac{2}{5}\text{m} \times 25\text{m} = 435\text{m}^2$

Pay $\rightarrow 435\text{m} \times \$1450 = \$630750.$

35) 3 breadth $\rightarrow 78\text{m} - 50\text{m} = 28\text{m}$

1 breadth $\rightarrow 28\text{m} \div 2 = 14\text{m}$

Area of A $\rightarrow \frac{1}{2} \times 6 \times 25 = 75\text{m}^2$

36) Area of small A $\rightarrow \frac{1}{2} \times 8 \times 10 = 40\text{cm}^2$

Shaded $\rightarrow 108\text{cm}^2 - 40\text{cm}^2 = 68\text{cm}^2$

37) 1 small unit $\rightarrow \$240 \div 5 = \48
5 units $\rightarrow \$240 \times 5 = \1200
Total $\rightarrow \$1200 + \$48 = \$1248$

38) Senior $\rightarrow \$8 \div 2 = \9
Children $\rightarrow 240 \times \$6.50 = \1560
Adults $\rightarrow 500 \times \$18 = \9000
Senior tickets $\rightarrow 960 - 500 - 240 = 220$
Senior $\rightarrow 220 \times \$9 = \1980
Money $\rightarrow \$1980 + \$9000 + \$1560 = \12540

39) 1 unit $\rightarrow \$897 \div 3 = \299
1 small unit $\rightarrow \$299 \div 2 = \149.50
Food $\rightarrow \$149.50 \times 3 = \448.50
Spend $\rightarrow \$299 + \$448.50 = \$747.50$

40) Remain $\rightarrow 1 - 1/3 - 1/5 = 7/15$
Run $\rightarrow 1/2 \times 7/15 = 2.8 \text{ km} = 7/30$
 $1/30 \rightarrow 0.4 \text{ km}$
 $30/30 \rightarrow 0.4 \text{ km} \times 30 = 12 \text{ km}$

41) Remain $\rightarrow 1 - 1/4 - 1/8 = 5/8$
 $2/5 \times 5/8 = 1/4$ (red)
 $1/4 = 18$
Buy $\rightarrow 18 \times 4 = 72$

42) 3 units $\rightarrow 48 - 18 = 30$
1 unit $\rightarrow 30 \div 3 = 10$
Marcus $\rightarrow 10 + 14 = 24$
Joanna $\rightarrow 10 + 4 = 14$
Shawn $\rightarrow 10$
Ans: Joanna: 2
Shawn: 6

43) Haversack $\rightarrow \$110.85 \div 3 = \36.95
Total $\rightarrow \$36.95 + \$110.85 = \$147.80$
Left $\rightarrow \frac{1}{4} \times 147.80 = \36.95
Shoes $\rightarrow \$36.95 + \$45.90 = \$82.85$

44) $42/174$

45) 2nd $\rightarrow \frac{1}{2} \times \frac{3}{5} = \frac{3}{10}$
3rd $\rightarrow 1 - \frac{4}{10} - \frac{3}{10} = \frac{3}{10}$
 $= \frac{1}{6} \times \frac{1}{10} = \frac{1}{20}$
4th $\rightarrow \frac{1}{4} \times \frac{3}{8} = \frac{3}{32}$
 $= \frac{1}{4} - \frac{3}{32} = \frac{5}{32}$
5 units $\rightarrow 225$
1 unit $\rightarrow 5$
32 units $\rightarrow 160$

46) 1 unit $\rightarrow 8.25$
10 units $\rightarrow 138 - 39 = 99$
 $8.25 \times 5 + 39$
 $= 41.25 + 39 = \$80.25$

47) 6 units $\rightarrow \$54 + \$18 = \$72$
6 dresses $\rightarrow \$72$
1 dresses $\rightarrow 17 \times \$12 = \204
a) $\$204 - \$8 = \$196$
 $\$6860 \div 12 \approx \571.67
b) $\$571$

48) Kept 5L $\rightarrow (49L - 5 = 44L) \div 3 = 14.66L$
Kept 6L $\rightarrow (49L - 6L = 43L) \div 3 = 14.33L$
Kept 8L $\rightarrow (49L - 8L = 41L) \div 3 = 13.66L$
Kept 9L $\rightarrow (49L - 9L = 40L) \div 3 = 13.33L$
Kept 11L $\rightarrow (49L - 11L = 38L) \div 3 = 12.66L$

Ans: 10L $\rightarrow (49L - 10L = 39L) \div 3 = 13L$

Ans: E