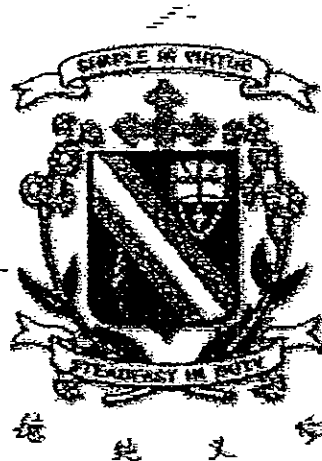


Name : _____ ()

Class : Primary 5

CHIJ ST NICHOLAS GIRLS' SCHOOL



Primary 5

Continual Assessment 2 – 2008

Mathematics

Paper I

Booklet A

19 August 2008

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.

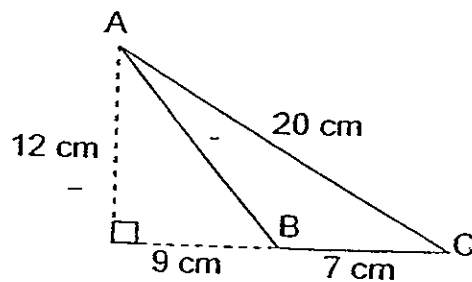
Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3, or 4) on the Optical Answer Sheet.

(20 marks)

- 1) Find the value of $450 - 42 \times 8 + 72 \div 6$.
- (1) 126 (2) 556
 (3) 726 (4) 956

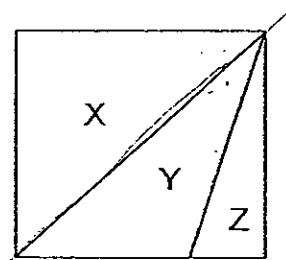
- 2) Subtract $3\frac{3}{4}$ from $8\frac{1}{6}$. The answer is _____.
- (1) $4\frac{5}{12}$ (2) $4\frac{7}{12}$
 (3) $5\frac{5}{12}$ (4) $5\frac{7}{12}$

- 3) What is the area of Triangle ABC?



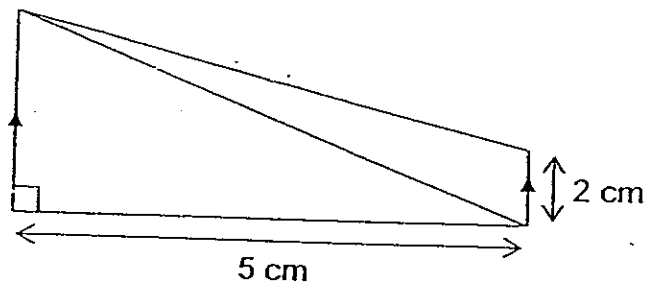
- (1) 42 cm^2 (2) 54 cm^2
 (3) 70 cm^2 (4) 96 cm^2
- 4) Express 17 km 9 m in km.
- (1) 17.009 km (2) 17.09 km
 (3) 17.9 km (4) 170.9 km
- 5) Find the product of 63.97 and 80.
- (1) 5.1176 (2) 51.176
 (3) 511.76 (4) 5117.6
- 6) A barrel contains $\widehat{22.8}$ l of oil. The oil was poured into 300 equal bottles. What is the volume of oil in 1 bottle?
- (1) 70.6 l (2) 7.6 l
 (3) 0.76 l (4) 0.076 l

- 7) The average mass of 2 television sets is 3 kg. Which of the following are the likely masses of the 2 television sets?
- (1) 0.5 kg and 2.5 kg (2) 1.5 kg and 2.5 kg
 (3) 2.5 kg and 2.5 kg (4) 3.5 kg and 2.5 kg
- 8) At a vegetable stall, for every 6 onions, there are 7 potatoes. For every 6 potatoes, there are 7 tomatoes. Find the ratio of the number of onions to the number of potatoes to the number of tomatoes at the stall.
- (1) 6 : 6 : 7 (2) 6 : 7 : 7
 (3) 36 : 42 : 49 (4) 36 : 49 : 42
- 9) A basket weighs 480 g. When 8 papayas are put into the basket, it has a total mass of 6600 g. Find the average mass of each papaya in kilograms.
- (1) 76.5 kg (2) 2.25 kg
 (3) 0.765 kg (4) 0.225 kg
- 10) The square below is divided into three parts, X, Y and Z. The area of X to Z is in the ratio 8 : 3. What is the ratio of the area of Y to that of Z?



- (1) 3 : 8 (2) 5 : 3
 (3) 8 : 5 (4) 8 : 11
- 11) The average mass of 3 crates of oranges is 16 kg. The first crate has a mass of 23.5 kg. The third crate is 2.5 kg heavier than the second crate. Find the mass of the third crate
- (1) 12.5 kg (2) 13.5 kg
 (3) 17.5 kg (4) 18.5 kg
- 12) $\frac{2}{7}$ of the candies in a bag are mint-flavoured and the rest are grape-flavoured. There are 180 more grape-flavoured than mint-flavoured candies. How many mint-flavoured candies are there?
- (1) 72 (2) 90
 (3) 120 (4) 360

- 13) The diagram below is made up of 2 triangles. The area of the smaller triangle is $\frac{1}{4}$ the total area of both the triangles.



What is the area of the bigger triangle?

- (1) 5 cm^2 (2) 10 cm^2
 (3) 15 cm^2 (4) 20 cm^2
- 14) The following table shows the number of brownies sold by a confectionery from February to August.

| Month | February | March | April | May | June | July | August |
|---------------|----------|-------|-------|-----|------|------|--------|
| Brownies sold | 369 | 283 | 225 | 215 | 2 | 305 | 196 |

Given that the average number of brownies sold from February to August is 285, find the number of brownies sold in the month of June.

- (1) 117 (2) 249
 (3) 335 (4) 402
- 15) There were 36 more boys than girls at a party. Another 10 boys and 10 girls joined the party. After that, there were 4 times as many boys as girls. How many boys were there at the party initially?
- (1) 38 (2) 40
 (3) 58 (4) 108

Name : _____ ()

Class : Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL



Primary 5

Continual Assessment 2 – 2008

Mathematics

Paper I

Booklet B

19 August 2008

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.

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)

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- 16) Pei Xin had $\frac{5}{6}$ m of cloth. She used $\frac{1}{3}$ of it to cover a table. How many metres of cloth did she have left?

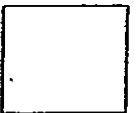
Ans: _____ m

- 17) In $\frac{R}{5} \times \frac{1}{3} = 4$, what does the missing numerator, R, stand for?

Ans: _____

- 18) Write 87.06 l in litres and millilitres.

Ans: _____ l _____ ml



- 19) The table below shows the prices of different bars of chocolates in a shop.

| Name of chocolate | Price (\$) |
|----------------------|------------|
| <i>White Haven</i> | 19.25 |
| <i>Krisp o Krisp</i> | 14.88 |
| <i>Yummylicious</i> | 16.40 |
| <i>Margo's</i> | 12.67 |
| <i>Gold Bar</i> | 10.59 |

Priyanka bought 30 bars of *Margo's* and her sister, Sharmila, bought 20 bars of *Krisp o Krisp*. How much less did Sharmila spend?

Ans: \$ _____

- 20) What do the letters, P and R, stand for?

$$\textcircled{P} : 65 : 105 = 18 : \textcircled{R} : 21$$

Ans: P : _____

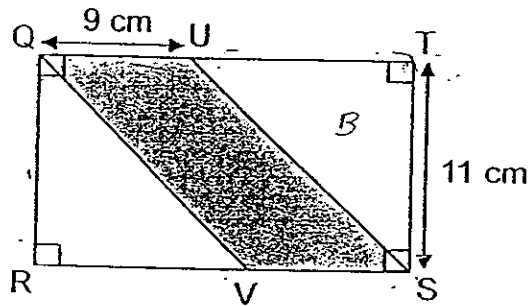
R : _____

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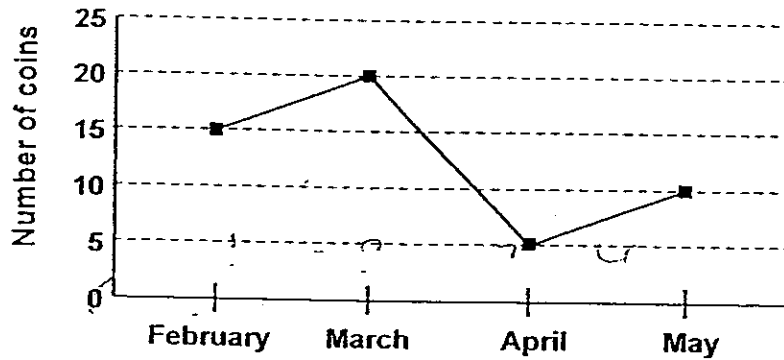
- 21) The figure below is not drawn to scale. QT is 24 cm long. $UT = RV$. Find the shaded area.

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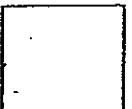


Ans: _____ cm^2

- 22) The graph below shows the number of 50¢ coins Donna saved over 4 months. Find the average amount she saved per month.



Ans: \$ _____



- 23) Farja and Chelvan caught some worms for a fishing trip. The number of worms that Farja found was $\frac{5}{9}$ of what Chelvan found. Find the ratio of the number of worms that Farja found to the total number of worms that they found altogether.

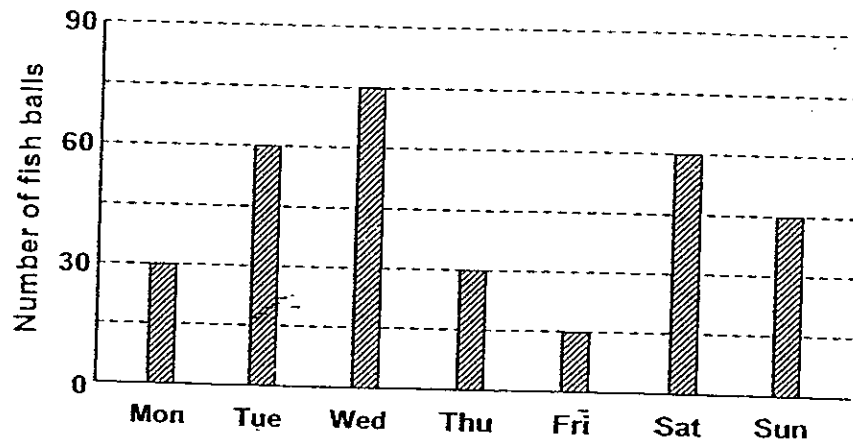
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Ans: _____

- 24) A caterer mixed 12ℓ of water with 2070 ml of chicken stock to make soup. Express the volume of soup made in litres.

Ans: _____ ℓ

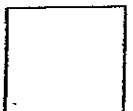
25) The graph below shows the number of fishballs sold at a stall in a week.



What is the average number of fishballs sold on weekdays?

Ans: _____

Do not write in this space.

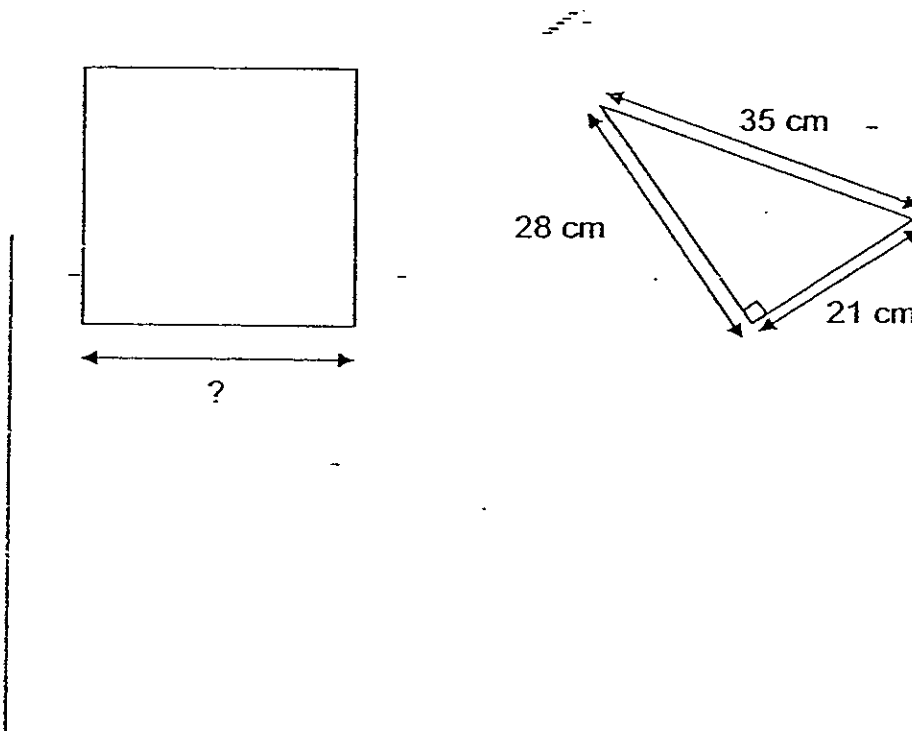


Questions 26 to 30 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

Do not write in this space

(10 marks)

- 26) The perimeter of the square is 23 cm longer than that of the triangle. Find the length of each side of the square.



Ans: _____ cm

- 27) A bag of sugar weighs $2\frac{1}{2}$ times as much as a bag of flour. Their average mass is 33.25 kg. What is the mass of the bag of flour?

Ans: _____ kg

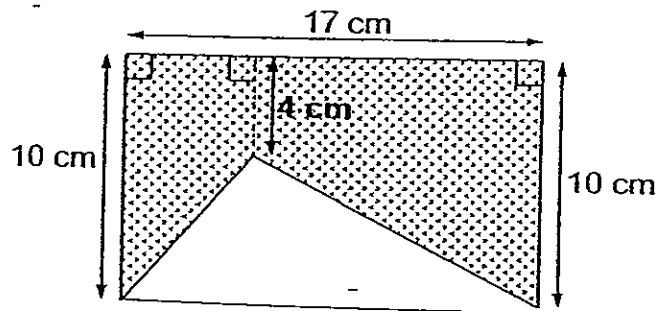


- 28) The ratio of the number of apples to the number of oranges at a fruit stall was 3 : 7. The stallholder sold 36 oranges and there was an equal number of apples and oranges. Find the number of oranges at first.

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Ans _____

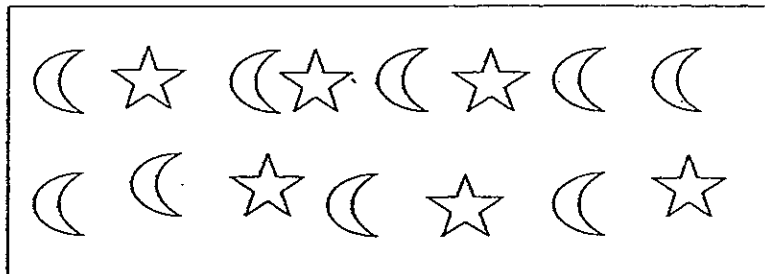
- 29) The figure below is not drawn to scale. Find the shaded area.



Ans: _____ cm^2



- 30) How many more crescents need to be added to those already in the box below so that the ratio of the number of crescents to the number of stars becomes $7 : 3$?



Do not write in this space.

Ans: _____

End of Paper 1

Name : _____ ()

Class : Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL



Primary 5

Continual Assessment 2 – 2008

Mathematics

Paper 2

19 August 2008

Parent's Signature

18 QUESTIONS
60 MARKS

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

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.

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.

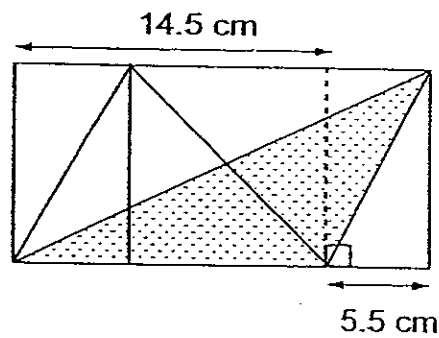
(10 marks)

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- 1) The sum of 2 numbers is 169. Their difference is 48.4. What are the 2 numbers?

Ans: _____ and _____

- 2) The figure below is not drawn to scale. The breadth of the rectangle is $\frac{3}{5}$ its length. Find the area of the shaded portion.



Ans: _____ cm²

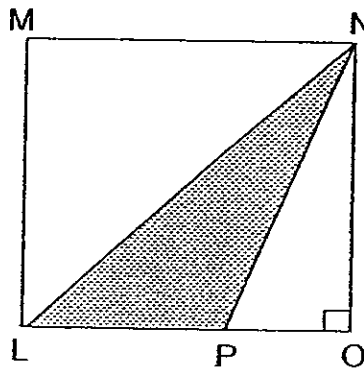


- 3) Mr. De Souza took part in a marathon. The marathon was divided into 8 legs. Mr. De Souza took an average of 56 minutes per leg. What was the total time he took to complete the marathon? Give your answer in hours and minutes.

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Ans: _____ h _____ min

- 4) The figure shows a triangle drawn inside a square of side 60 cm. The ratio of LP to PO is 7 : 3. Find the area of the shaded triangle.



Ans: _____ cm²

- 5) There were 592 strawberry tarts and blueberry pies in a shop. After selling $\frac{4}{9}$ of the strawberry tarts and $\frac{2}{7}$ of the blueberry pies, there was an equal number of strawberry tarts and blueberry pies left. How many strawberry tarts were sold?

Do not write in this space.

Ans: _____



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 the brackets [] at the end of each question or part-question. (50 marks)

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- 6) When a tank is $\frac{5}{6}$ filled with water, its mass is 81.74 kg. When it is $\frac{1}{2}$ filled with water, its mass is 59.8 kg. What is the mass of the tank? Give the answer correct to 1 decimal place.

Ans: _____ [3]

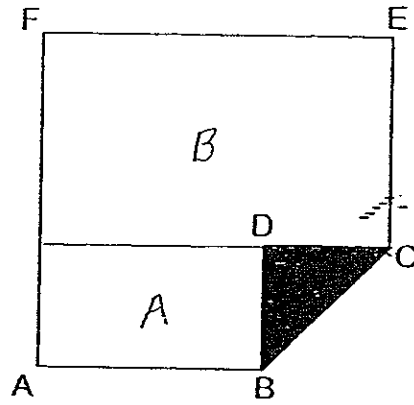
- 7) The ratio of the number of adults to the number of children at a concert was 3 : 7. $\frac{1}{4}$ of the adults were men. There were 114 more children than women. How many children were there?

Ans: _____ [3]

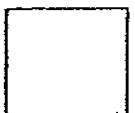


- 8) A square piece of paper has a perimeter of 60 cm. It is folded at a corner forming a shaded triangle with $DC = DB$. AB is 4 times as long as DC . Find the area of the unshaded part.

Do not write in this space.



Ans: _____ [3]



- 9) The volume of a liquid doubles every 6 minutes. If the volume is 64 ml at 6 p.m., what time was it when the volume was 0.25 ml ?

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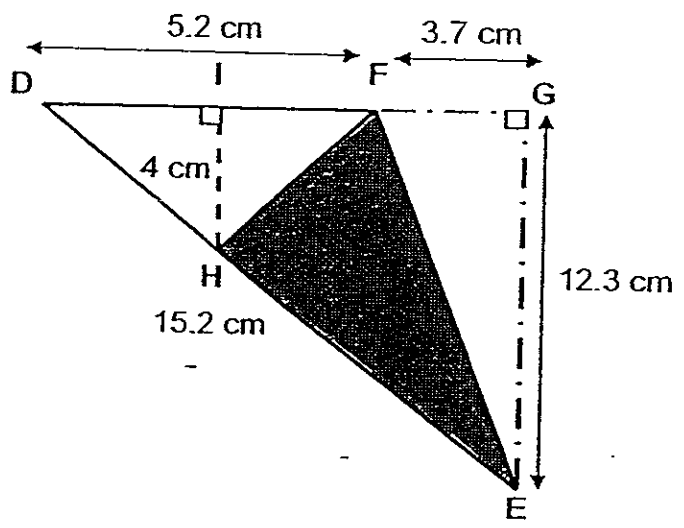
Ans: _____ [3]

- 10) Lychees are sold at $\$0.85$ for every 250 g in a supermarket. Mr. Foo buys 3.75 kg of lychees. How much does he pay?

Ans: _____ [3]

- 11) Triangle DEF is made up of 2 triangles, EFH and DFH. Find the area of Triangle EFH.

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Ans: _____ [4]



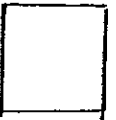
- 12) A pet-shop owner had 3 kittens, Billy, Caly and Damon. Kittens Caly and Damon had an average mass of 903.6 g. Kitten Billy weighed twice as much as Kitten Damon. Kitten Caly was $\frac{4}{5}$ of the mass of Kitten ^{Damon} Damon. Find the mass of Kitten Billy. Leave the answer, in **kilograms**, correct to 2 decimal places.

Ans: _____ [4]

- 13) Mrs. Tan bought 72 kg of coffee beans. Each kilogram of coffee beans cost \$1.20. She sold 4.75 kg to Mrs. Sam at \$1.40 per kilogram. The rest of the coffee beans were packed into small bags. Each bag contained 0.25 kg of coffee beans. If each bag was sold at \$0.65 per bag, how much money did she earn?

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Ans: _____ [4]



- 14) The average capacity of 2 cartons of orange juice and 3 cartons of milk is 3.84ℓ . The average capacity of 3 cartons of orange juice and 5 cartons of milk is 3.7ℓ . The cartons of orange juice are identical to each other. The cartons of milk are also identical to each other. What is the total capacity of 2 cartons of orange juice and 1 carton of milk?

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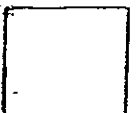
Ans: _____ [4]

- 15) Lisa gets \$8 more pocket money than Mary each week. Each of them spends \$18 per week on food, \$8.50 on toys and saves the remaining amount. When Lisa saves \$54, Mary saves \$22.
- (a) How much pocket money does Lisa get each week?
- (b) How much money does Mary save in 3 months?

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Ans: (a) _____ [3]

(b) _____ [1]



- 16) When Jane received her salary, she gave half of it plus \$43 to her mother. Next, she used half of the remainder plus \$50 to pay the bills. Then she spent half of her remaining salary plus \$15 to purchase some dresses. Finally, she saved the remaining \$220. How much was her salary?

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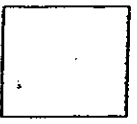
Ans: _____ [5]



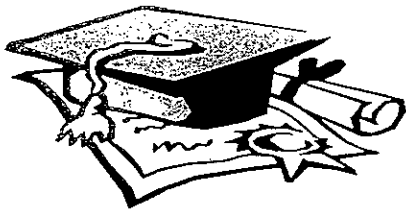
17) The ratio of the number of boys to that of girls in a drama school is 5 : 3. There are 64 Indian pupils and the rest are Chinese. The ratio of the number of Chinese pupils to the number of Indian pupils is 2 : 1. If there are 32 Indian boys, what is the ratio of the number of Chinese boys to that of Chinese girls?

Do not write in this space.

Ans: _____ [5]







ANSWER SHEET

EXAM PAPER 2008

SCHOOL : CHIJ PRIMARY SCHOOL
SUBJECT : PRIMARY 5 MATHEMATICS

TERM : CA 2

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

16) $5/9m$

17) 60

18) 87L 60ml

19) \$82.50

20) P: 90

21) $99cm^2$

22) \$6.25

23) 5:14

R: 13

24) 14.070

25) 42

26) $26.75cm$

27) 19kg

28) 63

29) $119cm^2$

30) 5

Paper 2

1) 60.3 and 108.7

2) $87cm^2$

3) 7h 28 min

4) $1260cm^2$

5) 148

6) $\approx 26.9kg$

7) 168

8) $216cm^2$

9) 5.12pm

10) \$12.75

11) $21.58cm^2$

12) $\approx 2.01kg$

13) \$95.10

14) 16L

15) a) \$40 b) \$66

16) \$2166

17) 11:5