Name :_____ ( )

Class : Primary 4_____

CHIJ ST NICHOLAS GIRLS' SCHOOL

Primary 4 Mathematics
Second Semestral Assessment – 2009

Booklet A

28th September 2009

Duration of Paper (Booklet A & B): 1 h 45 min

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

This booklet consists of 5 printed pages including the cover page.

SECTION A: (15 X 2 marks)
For each question, four options are given. One of the options 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.   Round off 284 and 27 to the nearest ten and then find its product.

   1) 7660   2) 7670

   3) 8400   4) 9000

2.   The digit 9 in the sum of 29 645 and 34 309 stands for _____.

   1) 90   2) 900

   3) 9 000   4) 90 000

3.   Which of the following are common factors of 36 and 54?

   1) 1, 2, 3, 4, 6, 18   2) 1, 2, 3, 4, 6, 9
   3) 1, 2, 3, 6, 9, 12   4) 1, 2, 3, 6, 9, 18

4.   Express 10 ones 415 hundredths as a decimal.

   1) 4.15   2) 10.415

   3) 14.15   4) 104.15

5.   Jorryn bought 2 kg of rice. She used $\frac{1}{2}$ kg of the rice on Monday and $\frac{2}{5}$ kg on Tuesday. How much rice was left?
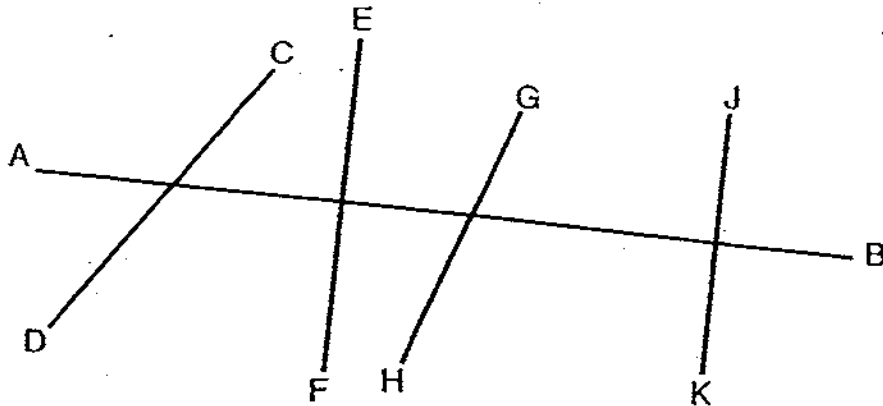
   1) $\frac{1}{10}$ kg   2) $\frac{1}{5}$ kg

   3) $1\frac{1}{10}$ kg   4) $1\frac{4}{5}$ kg

6.   Lines AB, CD, EF, GH and JK are straight lines.

Which one of the following statements is true?

1) CD is parallel to GH.

2) AB is perpendicular to CD.

3) EF is parallel to JK and perpendicular to AB.

4) JK is perpendicular to AB and parallel to GH.

7.   Jonas had some sweets. He gave $\frac{5}{8}$ of the sweets to his friends and had 180 sweets left. How many sweets did he give to his friends?
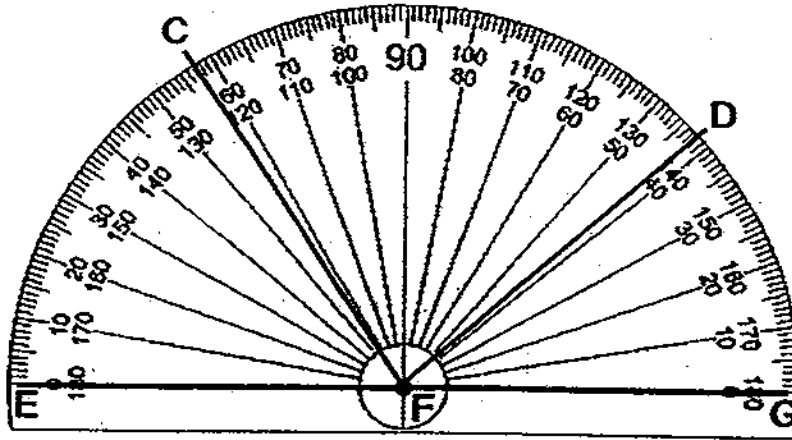
1) 108   2) 288

3) 300   4) 480

8.   Point P is _____ of Point S and _____ of Point T.
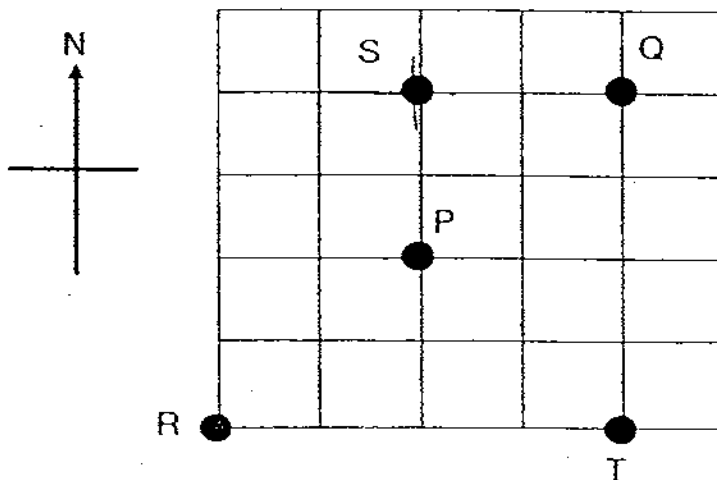
1) south, north-west   2) north, south-west

3) south, north-east   4) north, south-east

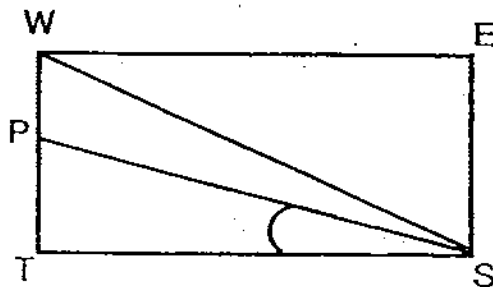- 3 -

9. Find ∠DFG.

1) 42°   2) 58°

3) 138°   4) 142°

10. The figure below is made up of a rectangle and a square.
    The area of the rectangle is 117 cm².
    What is the perimeter of figure ?

9 cm

1) 54 cm   2) 62 cm

3) 71 cm   4) 80 cm

11. The rectangle below is not drawn to scale. ∠WSE = 60°.

   ∠WSP is $\frac{1}{5}$ of ∠WSE. Find ∠PST.

1) 12°   2) 18°

3) 30°   4) 48°

12. Round off $\dfrac{56}{100}$ to the nearest tenth.

1) 0.06

2) 0.5

3) 0.6

4) 1.0

13. Mrs Shears bought 16kg of meat. She packed the meat equally into 8 plastic bags and had 1.04kg of meat left. How many kilograms of meat were there in each plastic bag ?

1) 2 kg

2) 2.13 kg

3) 1.87 kg

4) 1.75kg

14. In the diagram below, not drawn to scale, the square has the same area as the rectangle. Find the perimeter of the rectangle.
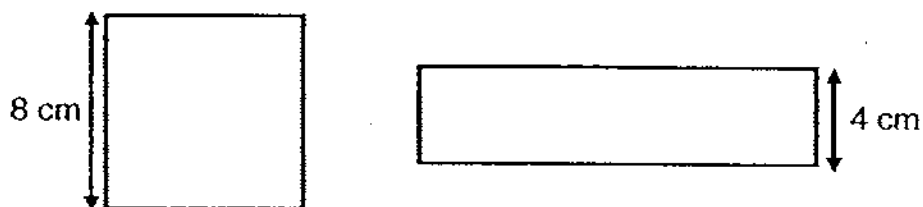
1) 64 cm

2) 40 cm

3) 32 cm

4) 24 cm

15. Janice hung 3 colour bulbs on her Christmas tree. The pink bulb flashed every 3 min. The blue bulb flashed every 5 min. The yellow bulb flashed every 6 min. If the last time these bulbs flashed together was at 20 20, at what time would they flash together again?

1) 19 50

2) 20 06

3) 20 34

4) 20 50

Name :_____ (   )

Class : Primary 4 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL

Primary 4
Second Semestral Assessment – 2009

Mathematics
Booklet B

28th September 2009

Booklet A	/ 30
Booklet B	/ 70
Total	100

_____
Parent's Signature

Duration of Paper (Booklet A & B): 1 h 45 min

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

This booklet consists of 13 printed pages including the cover page.
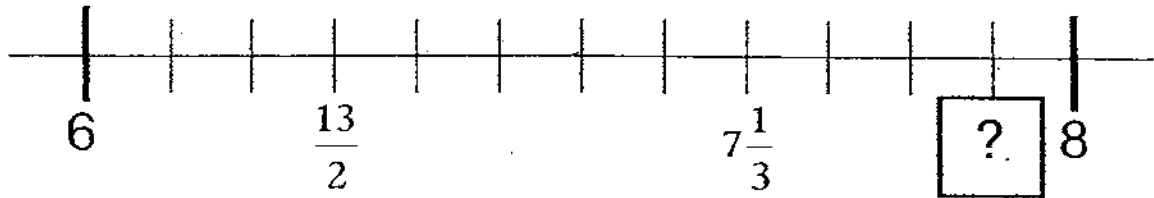
SECTION B: (19 x 2 marks)
Write your answers in the blanks provided. Show your workings clearly. Leave your answers in the units stated.

16.   Divide 13 by 6. Round off your answer to 2 decimal places.
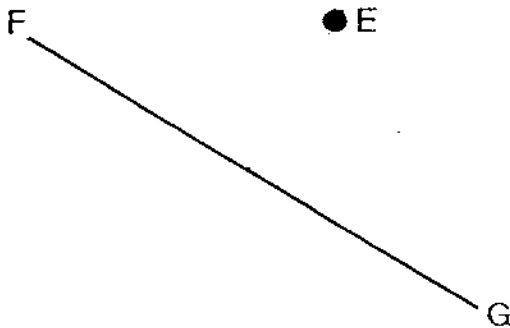
Ans : _____

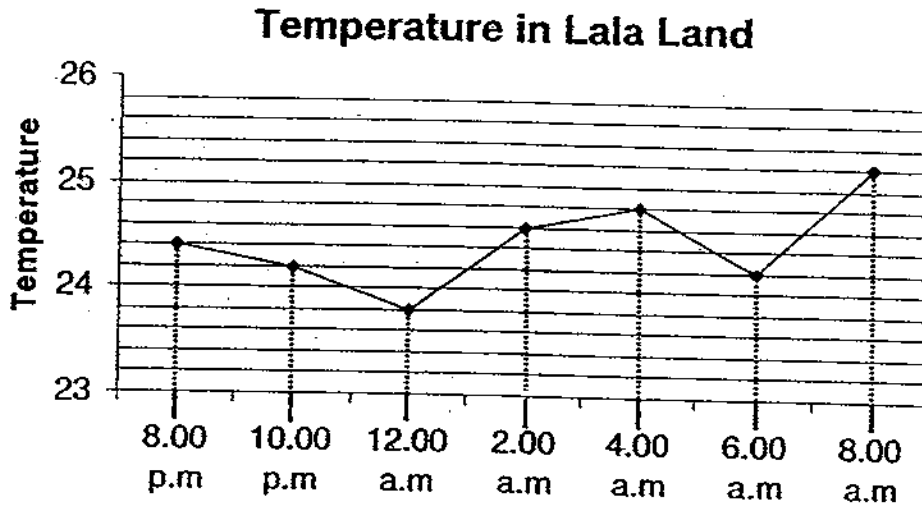17.   Find the missing fraction. Express your answer as a mixed number.

Ans : _____

18.   Draw a line perpendicular to FG. The line must pass through the point E.

-2-

19. **The line graph shows the temperature at different times of a day in Lala Land.**

Temperature in Lala Land

a. During which 2-hour interval was the decrease in the temperature the greatest?

Ans : From _____ to _____
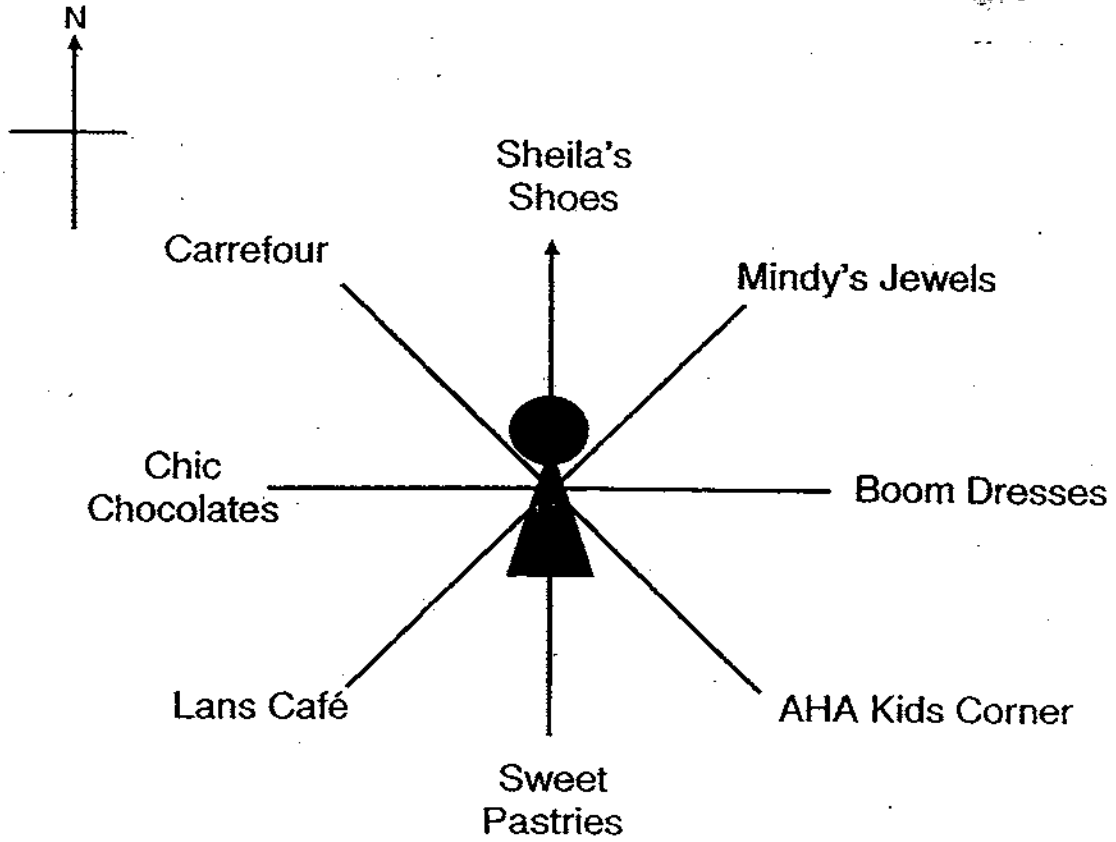
b. What was the decrease in the temperature?

Ans : _____ °C

20. Given the space below, construct ∠RSP such that ∠RSP = 145°. Line RS has been drawn for you. Label the angle clearly.

R

S

-3-

21.   Zoe is standing in the middle of a shopping mall.

N

Sheila's
Shoes

Carrefour

Mindy's Jewels

Chic
Chocolates

Boom Dresses

Lans Café

AHA Kids Corner

Sweet
Pastries

21a.   If Zoe is facing Sweet Pastries and she turns through an angle of 225° in the clockwise direction, she will face _____.

Ans : _____

21b.   Zoe is now facing north-west. If she turns through an angle of _____ in the anticlockwise direction, she will face Sheila's Shoes.

Ans : _____°

22. The figure is made up of 5 identical squares. The total area of the figure is 245 m². Find the perimeter of the figure.
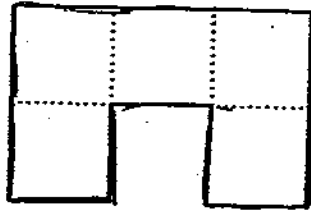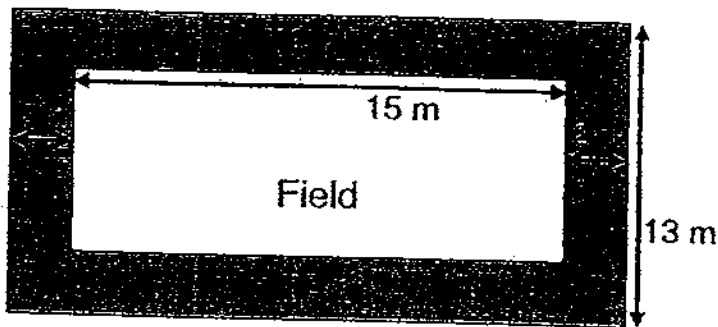
Ans : _____ m

23. Benny had $7.90 less than Janet but $19.70 more than Chris. If Janet had $30.40, how much money had Chris?

Ans : $ _____

24. The figure shows a rectangular field with a 2-m wide path around it. Find the area of the path.


15 m

Field

13 m

Ans : _____ m²

25. Ibrahim divided an auditorium into different sections and used the letters E, F and G to label them. All the sections are marked with a combination of any 3 letters, for example FEG, EFG and so on. How many different sections can the auditorium be divided into in this way ?

Ans : _____

26. Joseph bought 23 boxes of bookmarks. Each box had 126 bookmarks. He gave $\frac{1}{3}$ of them to his brother. How many bookmarks did he give away?

Ans : _____

27. All the water in Container A is poured into Container B without any spilling over. Container B is now $\frac{5}{7}$ full. How much more water is needed to fill up Container B completely?

Container A   Container B

Ans : _____ ℓ

-6-
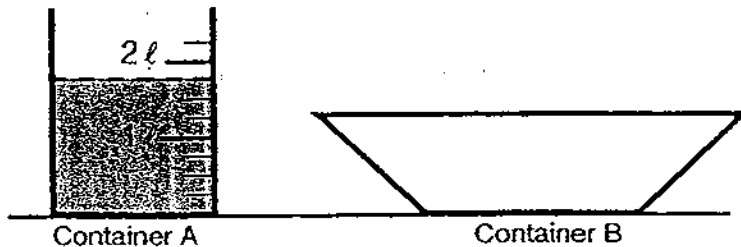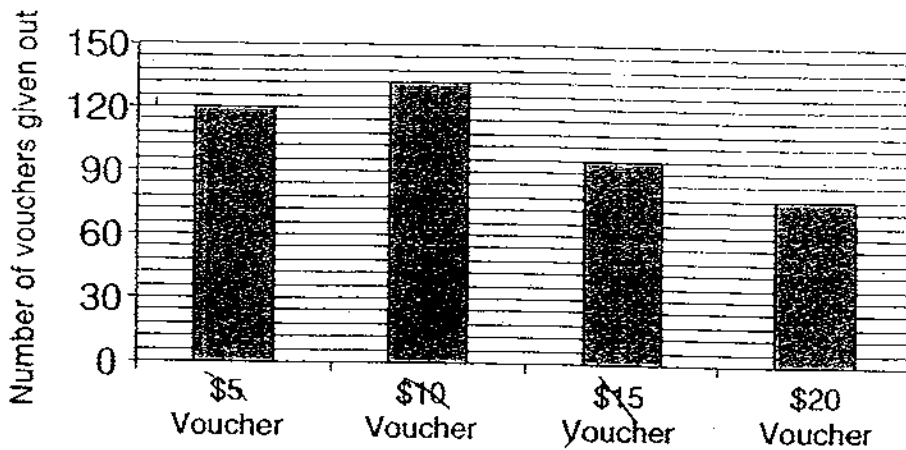
28. Diana mixes 6.7ℓ of strawberry syrup with four times as much water. She then pours the mixture equally into 4 jars. How much mixture will each jar contain?

Ans : _____ mℓ

29. Randy has a mass of $36\frac{1}{5}$ kg. His father is 49.7 kg heavier than he is. What is their total mass?

Ans :_____ kg

30. The graph shows vouchers of different values given to diners at Mel Restaurant in the month of March.

What is the total value of all the vouchers given out in March?

Ans : $_____

- 7 -

31. Carina started watching a movie at 23 30. If the movie ended at 02 44, how long was the movie?

Ans : _____ h _____ min

32. Isaac boarded a train from Town A to Town B. The train ride took 5 h 48 min. If he arrived at his destination at 00 03 the next day, at what time did he board the train?
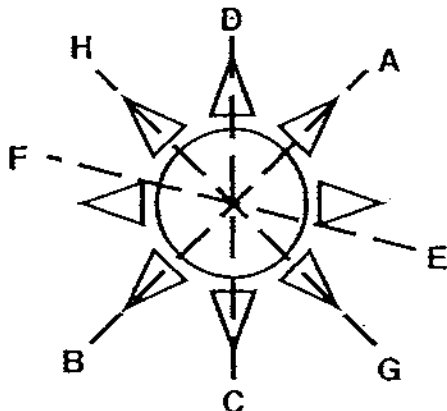
Ans : _____ p.m

33. The figure below is made up of a square and 2 rectangles, S and T.

The breadth of rectangle T is $\frac{3}{5}$ of its length. Find the area of rectangle S.

60 m

42 m

S

T
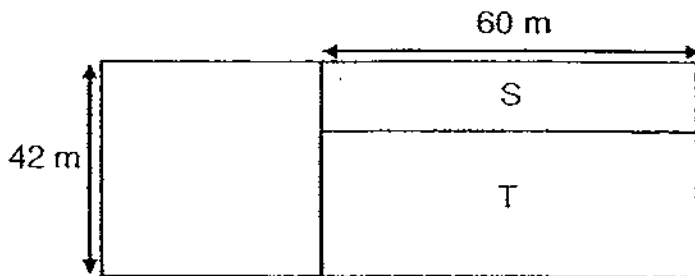
Ans : _____ m²

34. In the figure below, which line is not a line of symmetry?

Ans : _____

- 8 -

SECTION C: (8 x 4 marks)
Solve the following problems. All mathematical working and statements must be shown clearly.

35. Kelly and Michele bought 15 packs of cards altogether. There were 167 cards in each pack. If Kelly were to give Michele 1243 cards, Michele would have 4 times as many cards as she had. How many cards did Michele have at first?

Ans : _____

36. Josephine saves $5.40 daily for a week. Her sister saves $6 more than her each week. When her sister has saved $24 more than her, how much has Josephine saved?
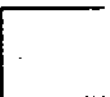
Ans : _____

37. The table below shows the weekly pocket money a group of 80 girls received. There were twice as many girls who received $18 than $28. There were 4 more girls who received $35 than $28.

Weekly pocket money	$7	$14	$18	$28	$35
Number of girls	8	12			

How many girls received more than $18 weekly ?

Ans : _____

38. 3 cups and 2 jars can hold a total of 54.54 ℓ of milk. A jar can hold 3 times as much milk as a cup. How much milk can a jar and 4 cups hold altogether?

Ans : _____

39. Kumaran bought 1 kg of rambutans, 7 kg of mangosteens and 32 oranges from a fruit stall. Using the price list given below, how much change would he receive if he gave the fruiterer $100?

| Fruit	Price
Rambutans	$ 7.80 per kg
Mangosteens	$ 5.90 per kg
Oranges	8 for $3.50

Ans : _____

40. Mrs Fields had 5500g of rice. She used $\frac{2}{5}$ of it on Monday and $\frac{1}{4}$ of it on Tuesday. How much rice had she left after the two days? Round off your answer to the nearest hundredth of a kilogram.

Ans : _____

41. When it is 08 00 in Singapore, it is 11 00 in Sydney. Melvin took a flight from Singapore to Sydney at 09 15 for his vacation. The flight lasted 4 h 39 min. What time was it in Sydney when the flight landed? Express your answer using the 12-hour clock.

Ans : _____

42. A piece of wire, 144 cm long, is cut into two equal pieces, A and B. Wire A is bent to form a triangle. Wire B is cut into two pieces again and used to form a rectangle and a square as shown in the figure below.

18cm

18
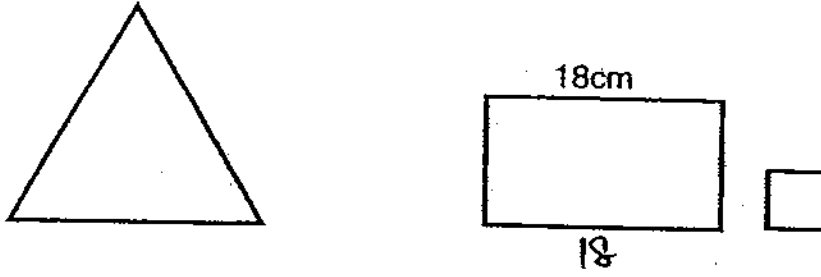
The perimeter of the triangle is 3 times the perimeter of the square. Find the area of the rectangle.

Ans : _____

**END OF PAPER **

EXAM PAPER 2009

SCHOOL : CHIJ PRIMARY
SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA2

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

16)2.17   17)7$\frac{5}{6}$ 18)F   19)a)4.00am to 6.00am

19)b)0.6

20)P
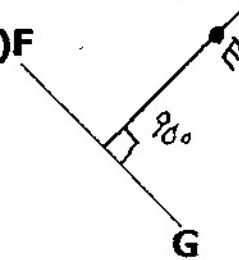
21)a)Mindy's Jewels   b)315   22)84m   23)$2.80

24)112m^2 25)6   26)966   27)0.7   28)8375ml

29)122.1kg   30)$4920   31)3h 14 min   32)6.15p.m

33)360m^2 34)FE

35)5u→2505
   4u→501x4=2004
   2004-1243=761

36)$5.40x7=$37.80(Josephine)
   $37.80+$6=$43.80(sister)
   $24÷$6=4
   4x$37.80=$151.20
   Josephine has saved $151.20

37) 8+12=20
80-20=60
60-4=56
56÷4=14
14+4=18
18+14=32
32 girls received more than $18 weekly.

38) J=3c
2J=6c
6C+3C=9C
54.54÷9=6.06 ©
3c+4c=7c
6.06x7=42.42
A jar and 4 cups can hold 42.42 of milk.

39) 32÷8=4
4x$3.50=$14
$5.90x7=$41.30
$41.30+$14+$7.80=$63.10
$100-$63.10=$36.90
He would receive $36.90 change.

40) 2/5+ ¼ =13/20
5500x13/20=3575
5500-3575=1925
1.925≈1.93
She had 1.93kg of rice left after rounding off.

41) 4.54 pm

42) 144÷2=72
72÷3=24
24÷4=6
6x4=24
72-24=48
18x2=36
48-36=12
12÷2=6
18x6=108

The area of the rectangle is 108cm2