SINGAPORE CHINESE GIRLS' SCHOOL (PRIMARY)

SECOND SEMESTRAL ASSESSMENT 2008

PRIMARY 4

MATHEMATICS

Name: _____ ( )

Class: Primary 4S / C / G / SE / P

Marks: 100

Time: 1 h 45 min

Parent's Signature: _____

Section A: (30 marks)

Questions 1 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.

1. 45 thousands and 8 tens is the same as _____.

(1) 458 (2) 4 580

(3) 45 008 (4) 45 080

2. 27 945 rounded off to the nearest hundred is _____.

(1) 27 900 (2) 27 950

(3) 28 000 (4) 28 045

3. $3\frac{5}{6} = \frac{\square}{6}$

What is the missing number in the box?

(1) 13 (2) 15

(3) 21 (4) 23

4. The digit 4 in 28.047 stands for 4 _____.

(1) tens (2) tenths

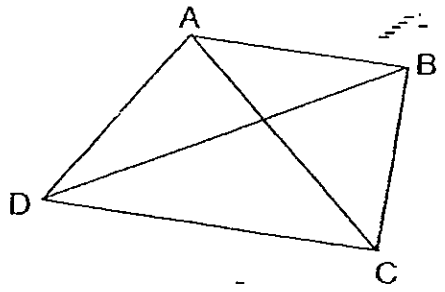
(3) hundredths (4) thousandths

5. $2.05 \times 8 =$ _____

(1) 1.64 (2) 16.4

(3) 16.04 (4) 1 640

6. One of the lines in the figure is parallel to AB. Which line is parallel to AB?



(1) AD (2) AC

(3) BC (4) DC

7. Find the sum of all the factors of 18 that are multiples of 3.

(1) 12 (2) 18

(3) 36 (4) 39

8. Gary wants to buy a pair of shoes that costs $34.50 but he has only $18.95. How much more money does he need?

(1) $6.50 (2) $15.55

(3) $16.45 (4) $16.55

9. Estimate $2.08 \div 7$.

(1) 0.3 (2) 0.03

(3) 3 (4) 30

10. A train left Town A and reached Town B at 01 30 on the next day. The train ride took $2\frac{1}{4}$ h. At what time did the train leave Town A?

(1) 3.45 a.m.
(2) 11.15 a.m.
(3) 11.05 a.m.
(4) 11.15 p.m.

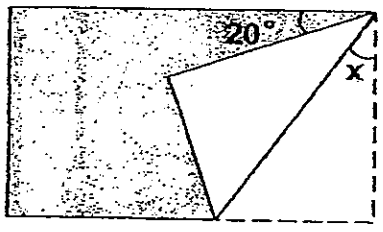
11. John has three 20-cent coins and four 50-cent coins. He puts some coins into a donation tin. How much money could he have donated?

(1) $0.80
(2) $1.80
(3) $1.90
(4) $2.50

12. How many right angles has the minute hand moved from 2.15 p.m. to 4.30 p.m.?

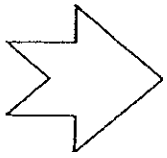
(1) 5
(2) 7
(3) 8
(4) 9

13 A rectangular sheet of paper is folded as shown in the figure below. Find $\angle$ x.

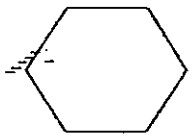


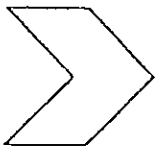
(1) 20°
(2) 35°
(3) 55°
(4) 70°

14. Which of the following shapes cannot tessellate?

(1) 

(2) 

(3) 

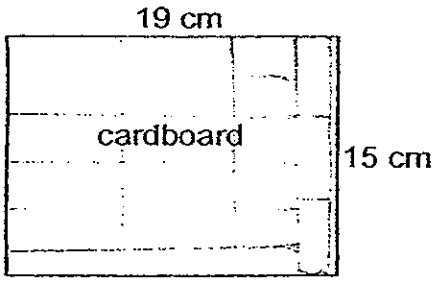
(4) 

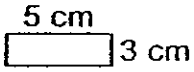
15. Mary has a rectangular cardboard that measures 19 cm by 15 cm.

She wants to cut out as many small rectangular pieces as she can from it.

Each small rectangular piece measures 5 cm by 3 cm.

What is the most number of small rectangular pieces she can get?





(1) 9

(2) 15

(3) 18

(4) 19

Name : _____ ( )

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Section B: (40 marks)

Questions 16 to 35 carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

16. 34 508 = 30 000 + 4 000 + _____?_____ + 8

What is the missing number?

Ans: _____

17. Fill in the blank with the correct number in the number pattern below.

250 , 275 , 300 , _____ , 350

Ans: _____

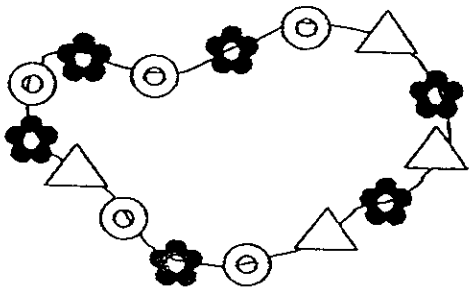
18. $\frac{2}{3} = \frac{\square}{12}$

What is the missing number in the box?

Ans: _____

19. $\frac{8}{9} - \frac{2}{3} =$ _____

Ans: _____

20. 

What fraction of the shapes on the bracelet are flowers?

Express your answer in the simplest form.

Ans: _____

10

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21. Express $\frac{59}{100}$ as a decimal

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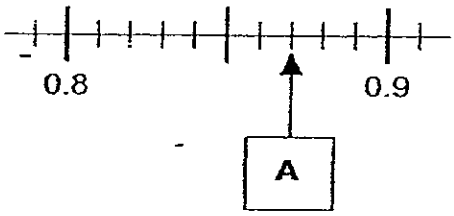
Ans: _____

22. Write down the decimal represented by A.



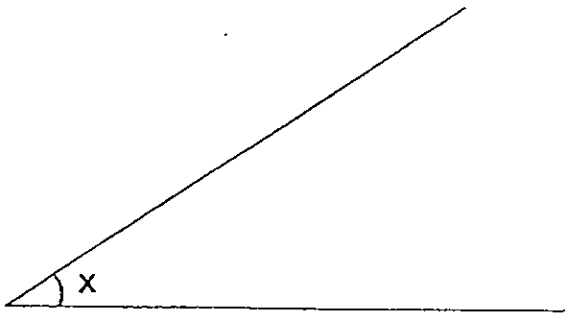
Ans: A = _____

23. Arrange these numbers from the greatest to the smallest.

8.104 , 0.841 , 8.14 , 0.418

Ans: _____ (*greatest*) , _____ , _____ , _____ (*smallest*)

24. Measure and write down the size of ∠ x.



Ans: ∠ x = _____

8

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25. Anne bought a papaya and a mango. The mass of a papaya is $\frac{1}{2}$ kg.

The mango is $\frac{1}{8}$ kg lighter than the papaya.

What is the total mass of the papaya and the mango?

Ans:_____ kg

26. Miss Chan's salary was $ 2 400.

She spent $\frac{3}{8}$ of her money, gave $400 to her mother and saved the rest.

How much did she save?

Ans: $_____

27. A pole was painted in red and blue. The part painted red was 1.25 m long.

The part painted blue was 0.48 m shorter than the part painted red.

Find the length of the pole.

Ans:_____ m

28. Divide 203 by 4. Round off the answer to 1 decimal place.

Ans: _____

8

29. Amy bought 8 files at $3.25 each. She paid the cashier with a $50-note. How much change did she get?

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Ans: $ _____

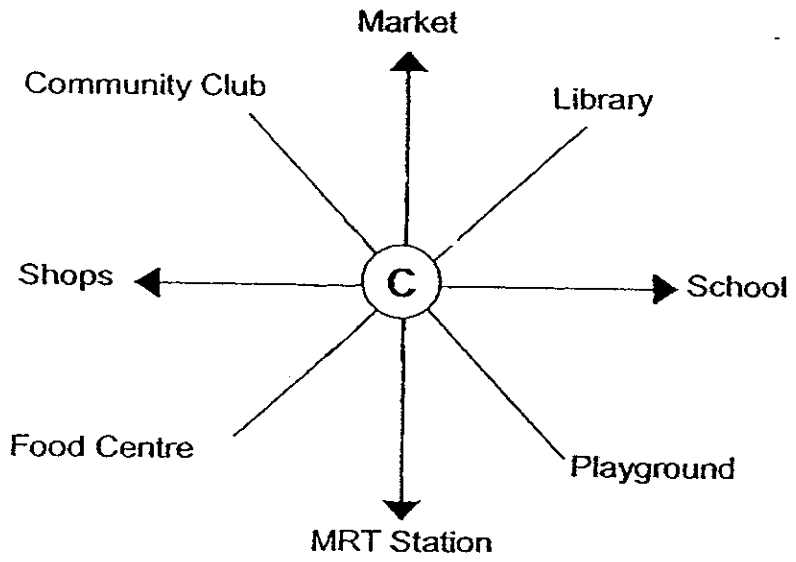
30. The figure below is divided into a square and three different rectangles. Find the area of rectangle A.

16 cm^2	36 cm^2
A	45 cm^2

Ans: _____ cm^2

31. David is standing at the point marked C in the figure below.

He is facing the library. Where will David face if he turns 225° anti-clockwise?



Ans: _____

6

32. Shade 2 more squares so that the figure is symmetrical about the line of symmetry, AB.

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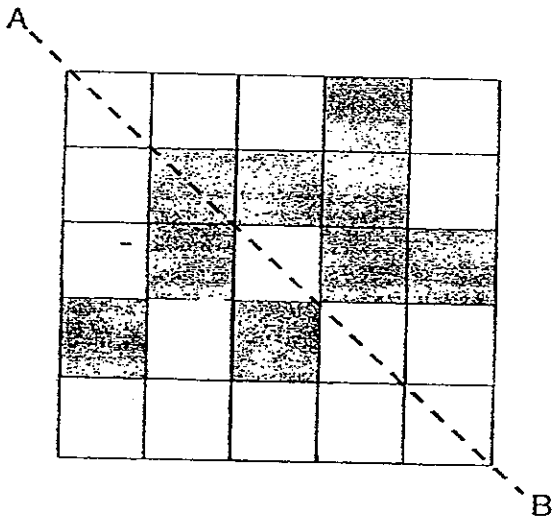
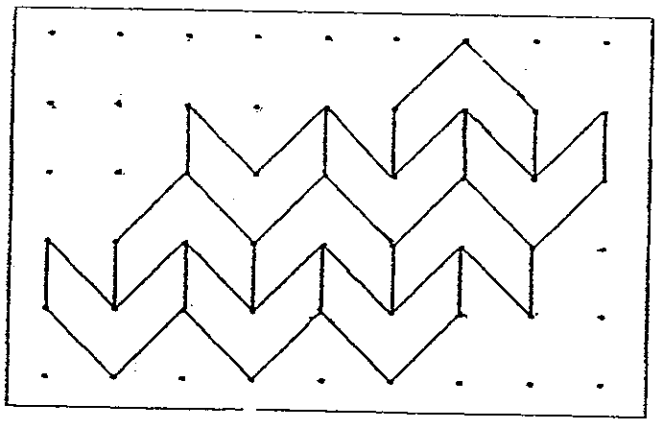
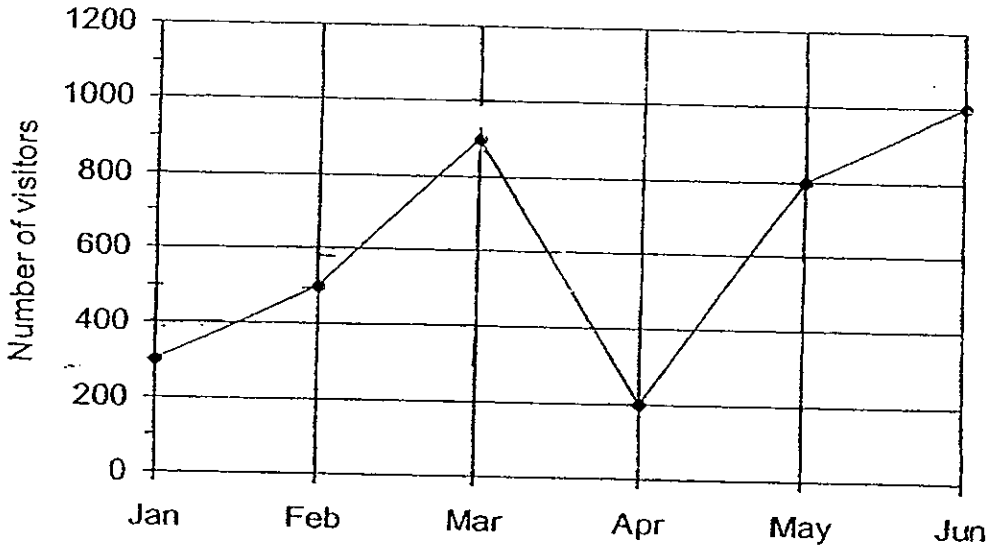


33. Draw 4 more unit shapes to extend the tessellation in the grid provided.



4

34. The line graph shows the number of visitors to the museum in the first 6 months of the year.



(a) How many people visited the museum in February?

(b) Between which two months did the number of visitors increase the greatest?

Ans: (a) _____

(b) _____ and _____

35. Flagpoles were planted 8 m apart along a straight road.

The first flagpole was planted at the start of the road.

The distance of the road was 645 m long.

How many flagpoles were planted along the road?

Ans: _____

4

Name : _____ ( )

Class: Primary 4 SY / C / G / SE / P

Section C: (30 marks)

For each questions 36 to 43, show your workings 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.

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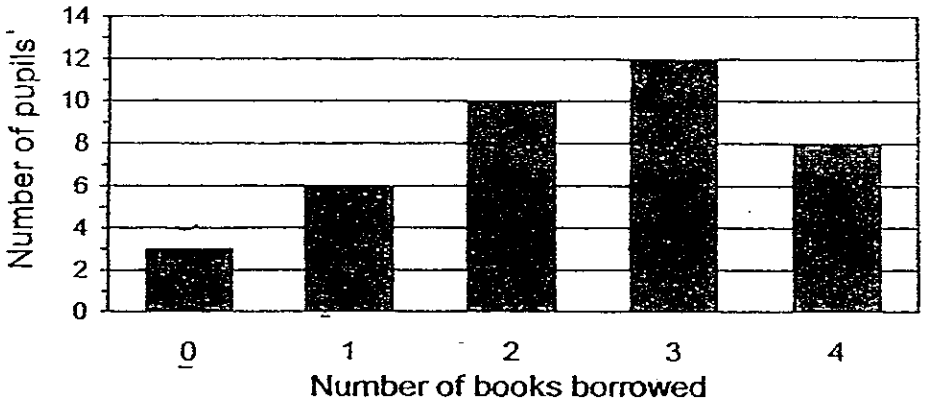
36. The bar graph shows the number of books that each pupil borrowed in a particular class.



(a) How many pupils borrowed more than 2 books?

(b) What was the total number of books borrowed by all the pupils?

Ans :(a)_____ [1]

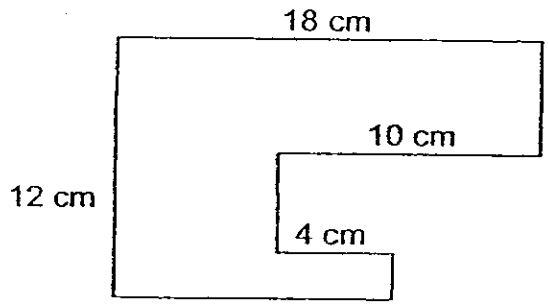
(b)_____ [2]

37. Aini had thrice as much as money as Billy. After Aini received $4 and Billy received $10 from their parents, both had the same amount of money. How much money did they have altogether at first?

Ans: _____ [3]

6

38. In the figure below, all the lines meet at right angles.
Find the perimeter of the figure.



Ans: _____ [3]

39. Karen had some sweets to give to her friends.
If she gave each friend 3 sweets, she would have 2 sweets left over.
But if she gave each friend 4 sweets, she would need another 3 sweets.
How many sweets did Karen have?

Ans: _____ [3]

6

40. Mrs Lam mixed 3 jugs of water with 0.45 litres of orange syrup to make orange juice. Each jug contained 1.25 litres of water.
She then poured equal amount of the mixture into 3 identical bottles.
How many litres of orange juice were there in each bottle?

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Ans: _____ [4]

4

41. A tank was $\frac{1}{10}$ full of water. After 35 litres of water were added into the tank, it became $\frac{3}{5}$ full. How much water was needed to fill up the whole tank?

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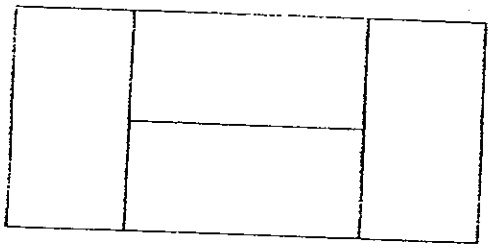
Ans: _____ [4]

4

42. The figure below is made up of 4 identical rectangles.
The perimeter of the figure is 120 cm.
Find the area of the figure.



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Ans: _____ [5]

5

43. Ahmad and Bala had a total of 76 cards at first. After Bala bought 15 more cards and Ahmad lost 8 cards, Bala now has 3 cards more than Ahmad. Find the number of cards Bala had at first.

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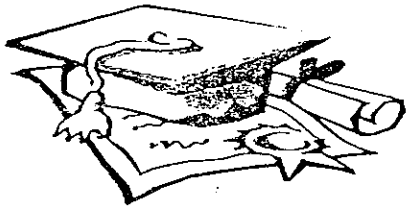
Ans: _____ [5]

5

END OF PAPER



ANSWER SHEET

EXAM PAPER 2008

SCHOOL : SCGS PRIMARY SCHOOL
SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA 2

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

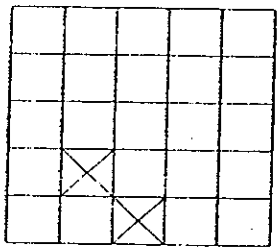
16)500 **17)325** **18)8** **19)2/9** **20)2/5**

21)0.59 **22)0.87** **23)8.14, 8.104, 0.841, 0.418**

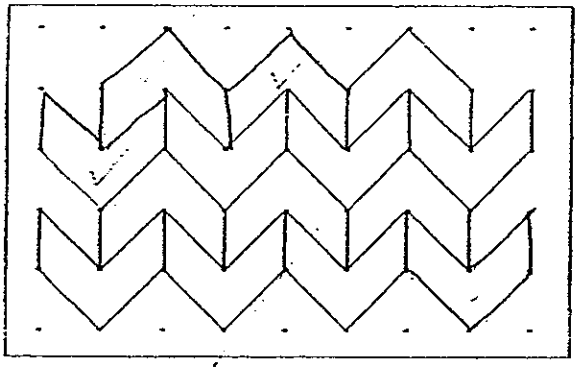
24)33° **25)7/8kg** **26)$1100** **27)2.02m** **28)50.8**

29)$24 **30)20cm$_2$** **31)MRT Station**

32)



33)



34)a)500 people
b)April and May

35)81 flagpoles

36)a)20 pupils
b)94 books

37)2 units→$10-$4=$6
At first→$6x$2=$12

38)18cm-10cm=8cm
8cm+4cm=12cm
Perimeter→12cm+12cm+18cm+10cm+4cm+12cm
=68cm.

39)1 unit→2+3=5
No.of sweets→5x3=15
Total No. of sweets→15+2=17 sweets.

40)3 jugs of water→1.25Lx3=3.75L
Orange juice→3.75L+0.45L=4.2L
Each bottle→4.2L÷3=1.4L

41)5 units→35L
10 units→35Lx2=70L

42)120cm→12 breadths
1 breadth→120cm÷12=10cm
Breadth of figure→10cmx2=20cm
Length of figure→20cm+10cm+10cm=40cm
Area of figure→40cmx20cm=800cm_2

43)Total number of cards after Ahmad lost 8 cards→76-8=68
Total number of cards now→68+15=83
A→15-3=12
2 units→83-12-15=56
Bala at first→56÷2=28 cards.