SINGAPORE CHINESE GIRLS' SCHOOL (PRIMARY)
FIRST SEMESTRAL ASSESSMENT 2013
PRIMARY 4
MATHEMATICS

Name: _____ ( ) Marks: /100

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

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. Which one of the following is equal to 3700?

   (1) 37 ones
   (2) 37 tens
   (3) 37 hundreds
   (4) 37 thousands

2. Round off 19 499 to the nearest hundred.

   (1) 19 000
   (2) 19 400
   (3) 19 500
   (4) 20 000

3. Which of the following is **not** a common factor of 12 and 16?

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

4. I am a number between 20 and 40. I am a multiple of 4.
What number am I?

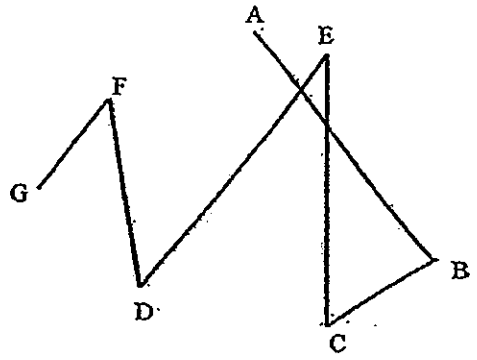
(1) 16
(2) 28
(3) 34
(4) 48

5. Round off each number to the nearest ten. Then estimate the value of

105 – 14 – 55.

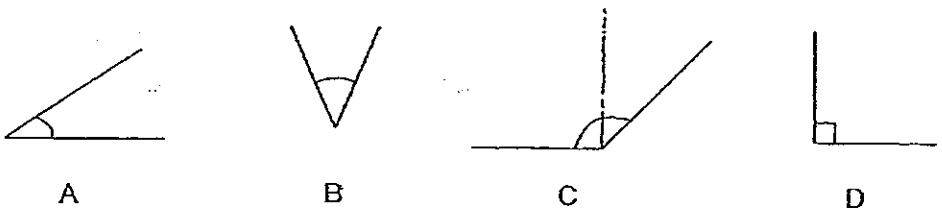
(1) 20
(2) 30
(3) 40
(4) 50

6. Which line in the figure below is parallel to GF?



(1) AB
(2) BC
(3) CD
(4) DE

7. Which one of the following angles is greater than a right angle?



A B C D

(1) A
(2) B
(3) C
(4) D

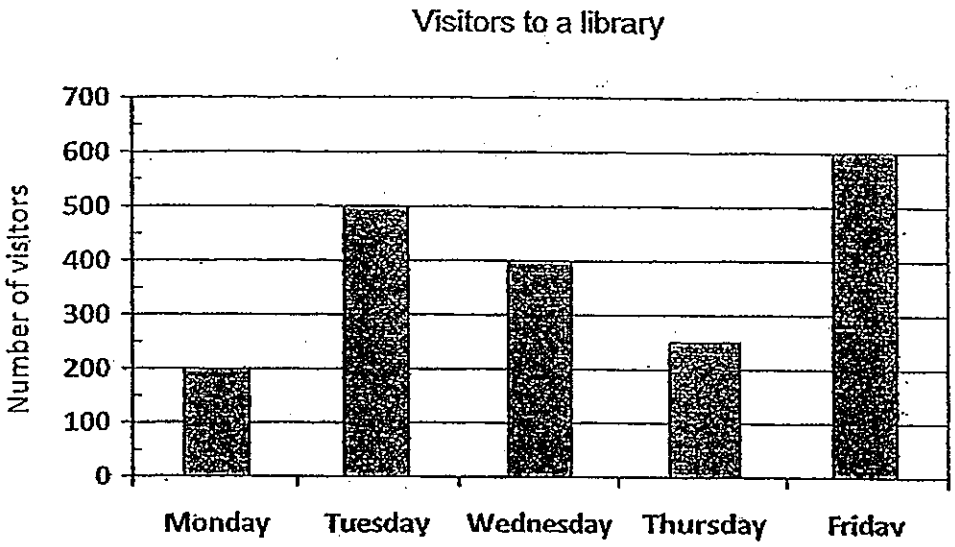
8. How many quarters are there in $7\frac{1}{2}$?

(1) 14
(2) 15
(3) 28
(4) 30

9. A mango cost \$2. A box of 3 mangoes cost \$5. Ling Ling bought 13 mangoes altogether. What was the least amount of money that she paid for the mangoes?

(1) \$17
(2) \$20
(3) \$22
(4) \$26

The graph below shows the number of people who visited a library from Monday to Friday. Study it carefully and answer Questions 10 and 11.



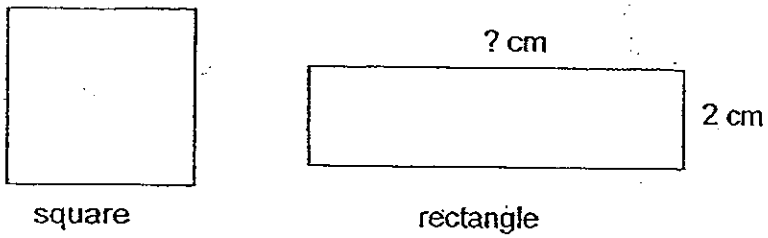
10. How many people visited the library on Monday, Tuesday and Thursday?

(1) 850
(2) 950
(3) 1100
(4) 1950

11. The number of people who visited the library on Tuesday was twice as many as on _____.

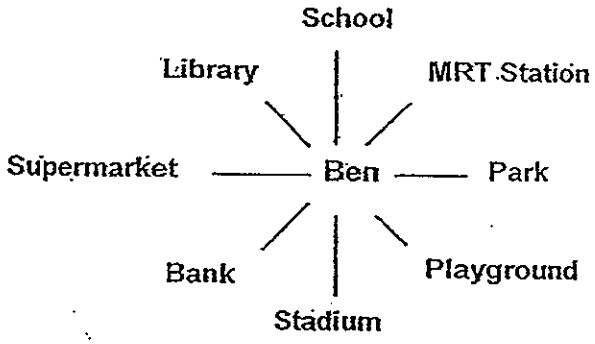
(1) Monday
(2) Wednesday
(3) Thursday
(4) Friday

12. The length of each side of the square is 6 cm.
It has the same perimeter as the rectangle.
Find the length of the rectangle.



(1) 10 cm
(2) 12 cm
(3) 18 cm
(4) 24 cm

13. After turning 135° anti-clockwise, Ben is now facing the Stadium.
Which place was he facing at first?



(1) Park
(2) MRT Station
(3) Library
(4) Supermarket

14. Shannon had exactly enough money to buy 12 files. She bought 8 files and had $12 left. How much money did she have at first?

(1) $20
(2) $24
(3) $36
(4) $48

15. There were 5 pupils in a group. Each pupil shook hands with each of the other pupils **once**. How many handshakes were there?

(1) 5
(2) 10
(3) 15
(4) 25

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Name : _____ ( )

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40

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.

Do not write in this column

16. Write 40 812 in words.

_____

_____

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

19 704	,	19 854	,	?	,	20 154	,	20 304

Ans : _____

18. 536 x 25 = ☐

Ans : _____

6

19. List out all the factors of 8.

Do not write in this column

Ans : _____

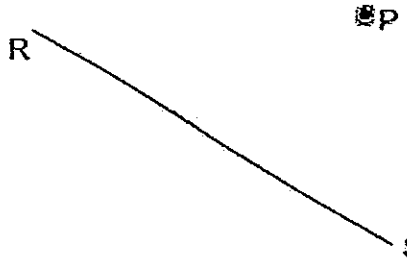
20. Arrange the following fractions from the smallest to the greatest.

$\frac{5}{8}$, $\frac{3}{4}$, $\frac{3}{9}$

Ans : _____ , _____ , _____
smallest greatest

21. Draw a line perpendicular to EF, passing through point G.

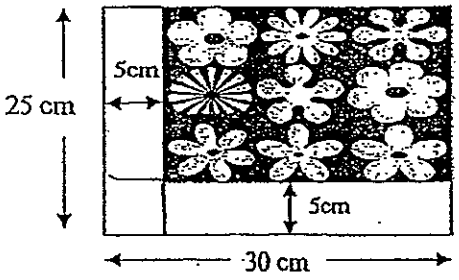
22. Draw a line parallel to RS passing through point P.



8

Do not write in this column

23. Mandy pasted a picture on a construction paper with a 5-cm border as shown below. The length of the construction paper is 30 cm and the breadth is 25 cm. Find the area of the picture. (Figure not drawn to scale)



Ans : _____ cm^2

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24. A school bag costs three times as much as a pencil case. The school bag costs $24. How many pencil cases can be bought with $104?

Ans : _____

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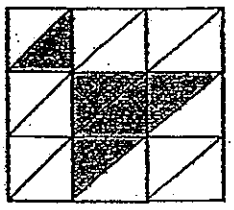
25. The figure is made up of similar triangles.



How many more triangles must be shaded to show that $\frac{2}{3}$ of the figure is shaded?

Ans : _____

6

26. $4 - \frac{1}{8} - \frac{3}{4} = \square$

Do not write In this column

Ans : _____

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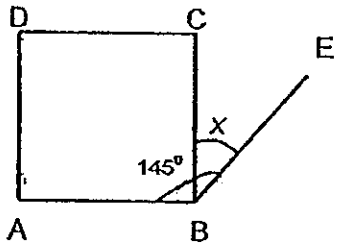
27. The figure below is not drawn to scale. ABCD is a square. $\angle ABE = 145^{\circ}$. Find $\angle x$.



Ans : _____°

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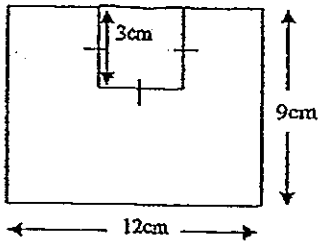
28. Mrs Wong bought 5 kg of longans. She kept $\frac{1}{2}$ of it for her family, ate $\frac{1}{4}$ kg and gave the rest to her neighbours. How many kilograms of longans did she give to her neighbours?

Ans : _____kg

6

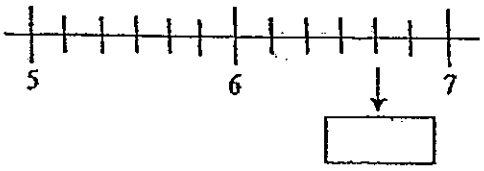
Do not write
In this column

29. The figure below is not drawn to scale. Find the perimeter of the figure.
(All lines meet at right angles)



Ans: _____cm

30. What is the missing value in the box?
Express your answer in its simplest form.



Ans : _____

31. The perimeter of a square is 28cm. Find its area.

Ans : _____ cm^2

6

32. Fatimah had 9 erasers fewer than Wei Ling. She gave 12 erasers to Wei Ling. How many more erasers would Wei Ling have than Fatimah?

Do not write in this column

Ans : _____

33. Toh Tuck had 5 times as much money as May Ling. After Toh Tuck spent $155 and May Ling spent $19, they had the same amount of money left. How much money did May Ling have at first?

Ans: $_____

34. 24 coins are used to form the outline of a square. The number of coins on each side of the square is the same. Find the number of coins on each side of the square.

Ans : _____

6

35. Numbers are written under the letters 'MATH' as shown below.

Do not write In this column

M	A	T	H
1	2	3	4
5	6	7	8
9	10	11	...
...	...	...	...

Name the letter of the column in which the number 999 will appear.

Ans : _____

2

Name : _____( )

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30

Section C: (30 marks)

For questions 36 to 43, show your working clearly in the space provided for each question and write your answer in the space provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question.

Do not write In this column

36. The sum of two whole numbers is 21. The smaller number is $\frac{3}{4}$ of the bigger number. Find the value of the bigger number.

Ans: _____ [3]

37. Four identical squares are arranged to form one big rectangle as shown in the figure below. The perimeter of the big rectangle is 70 cm.

What is the perimeter of a rectangle formed with two such squares?

Ans: _____ [3]

6

Do not write in this column

38. John had 80 more pokemon cards than Bala. After Bala gave away 24 Pokemon cards, John had 3 times as many Pokemon cards as Bala. How many Pokemon cards did Bala have at first?

Ans: _____ [3]

39. Ms Seah bought two packets of pencils.
There are 37 pencils in packet A and 65 pencils in packet B.
How many more pencils should she remove from packet B to be put into packet A so that packet B has 10 more pencils than packet A?

Ans: _____ [3]

6

Do not write
In this column

40. Wendy had four times as many stamps as Kelly. After Wendy had given Kelly 30 stamps, they had an equal number of stamps.
How many stamps did they have altogether?

Ans: _____ [4]

4

Do not write in this column

41. Lena, Nana and Mona collected a total of 258 beads. Nana collected 40 more beads than Lena while Mona collected 16 beads less than Lena. How many beads did Lena collect?

Ans: _____ [4]

4

Do not write in this column

42. Olivia spent $\frac{3}{8}$ of her money on some clothes and $\frac{1}{4}$ of her money on a bag. She had \$36 left.

(a) What fraction of her money was left?

(b) How much money did Olivia have at first?

Ans: a) _____ [2]

b) _____ [3]

5

Do not write in this column

43. Mr Wang sold a total of 40 papayas and durians for $368.
Each papaya was sold for $8 and each durian was sold for $10.
How many papayas did he sell?

Ans: _____ [5]

5

END OF PAPER

ANSWER SHEET

EXAM PAPER 2013
SCHOOL : SINGAPORE CHINESE GIRLS' SCHOOL
SUBJECT : PRIMARY 4 MATHS

TERM : SA1

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

Section B

Q16) Forty thousand, eight hundred and twelve

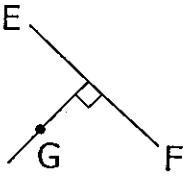
Q17) 20004

Q18) 13400

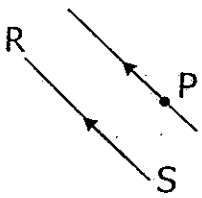
Q19) 1, 2, 4 and 8

Q20) 3/9, 5/8, 3/4

Q21)



Q22)



Q23) 500cm^3

Q24) 13

Q25) 7

Q26) 3 1/8

Q27) 55°
Q28) 2 ¼
Q29) 48cm
Q30) 6 2/3
Q31) 49cm^2
Q32) 33
Q33) $15
Q34) 7
Q35) T

Section C
Q36) 7u → 21
1u → 21 ÷ 7 = 3
3 x 4 = 12 (Ans)

Q37) 70cm ÷ 10cm = 7cm
7cm x 6 = 42cm (Ans)

Q38) 3u – 1u = 2u
2u → 24 + 80 = 104
1u → 104 ÷ 2 = 52
52 + 24 = 76 (Ans)

Q39) Total → 37 + 65 = 102
102 – 10 = 92
A → 92 ÷ 2 = 46
46 – 37 = 9 (Ans)

Q40) 3u → 30 + 30 = 60
1u → 60 ÷ 3 = 20
20 x 5 = 100 (Ans)

Q41) 258 – 56 -16 = 186
186 ÷ 3 = 62
62 + 16 = 78 (Ans)

Q42
a) 3/8 + 2/8 = 5/8
8/8 – 5/8 = 3/8 (Ans)

b) 3/8 → $36
1/8 → $36 ÷ 3 = $12
$12 x 8 = $96 (Ans)

Q43)

No of papayas	Cost	No of durians	Cost	Total	Check
19	152	21	210	362	X
15	120	25	250	370	X
16	128	24	240	368	√