SINGAPORE CHINESE GIRLS' SCHOOL (PRIMARY)
SECOND 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. 55 thousands and 9 ones is the same as _____.

   (1) 5590
   (2) 5509
   (3) 55 900
   (4) 55 009

2. 54 is **not** a multiple of _____.

   (1) 2
   (2) 3
   (3) 6
   (4) 7

3. Which of the following is **not** an equivalent fraction of $\frac{1}{4}$?

   (1) $\frac{2}{8}$
   (2) $\frac{3}{9}$
   (3) $\frac{4}{16}$
   (4) $\frac{5}{20}$

4. $9\frac{3}{5} = \frac{\square}{5}$

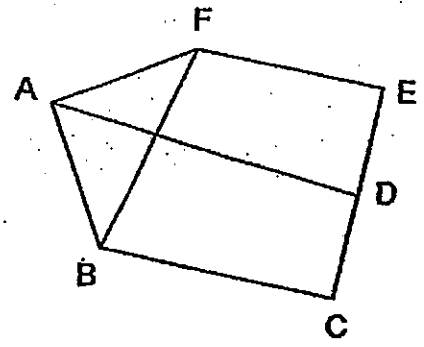
What is the missing number in the box?

(1) 15
(2) 24
(3) 32
(4) 48

5. Write $4\frac{3}{25}$ as a decimal.

(1) 4.3
(2) 4.325
(3) 4.12
(4) 4.012

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



(1) AD
(2) BF
(3) CE
(4) FE

7. James bought a belt and a wallet. The wallet cost 4 times as much as the belt. The wallet cost $72. How much did he pay for the belt and the wallet altogether?

(1) $18
(2) $72
(3) $90
(4) $108

8. Mrs Lau bought 5 ℓ of paint. She used $\frac{1}{5}$ of it to paint a living room and $\frac{1}{2}$ paint a bedroom. How much paint had she left?

(1) $1\frac{1}{2}\ \ell$
(2) $2\frac{3}{10}\ \ell$
(3) $3\frac{1}{2}\ \ell$
(4) $4\frac{3}{10}\ \ell$

9. Timothy bought 5 muffins for $7.50. How much did 20 muffins cost?

(1) $15
(2) $30
(3) $45
(4) $60

10. $5.73 \div 10.67 = \square \times 100$

(1) 0.164
(2) 1.64
(3) 16.4
(4) 1640

11. A machine made toy cars from 3.45 pm to 5.45 pm. For every minute, it made 3 toy cars How many toy cars did the machine make altogether?

(1) 120
(2) 180
(3) 360
(4) 720

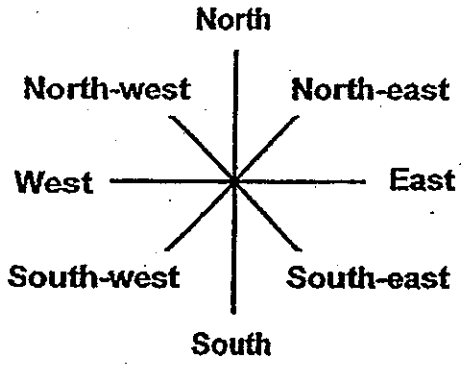
12. The fuel tank of Mr Muthu's truck was full on Monday. He used 27.68 ℓ of petrol on Tuesday and 53.35 ℓ on Wednesday. If the fuel tank of his truck could only hold 94 ℓ of petrol, how many litres of petrol were left?

(1) 12.97 ℓ
(2) 25.67 ℓ
(3) 68.33 ℓ
(4) 81.03 ℓ

13. The area of a rectangular basketball court is 54 m^2. Its breadth is 6 m. Find the perimeter of the court.

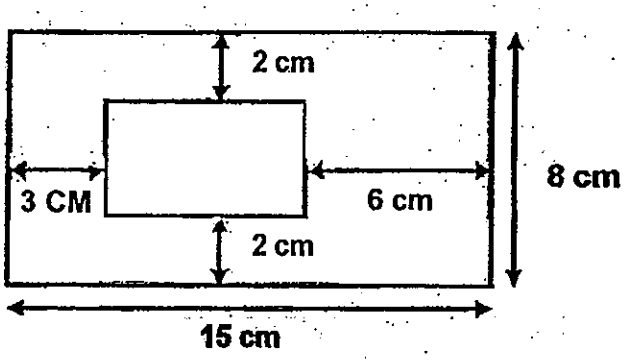
(1) 12 m
(2) 15 m
(3) 24 m
(4) 30 m

14. Gemma is facing north. She turns 135° clockwise. She then makes a $\frac{1}{4}$ turn anti-clockwise. Where will she be facing now?



(1) North-west
(2) North-east
(3) South-west
(4) South-east

15. Find the area of the shaded part.



(1) 24 cm^2
(2) 46 cm^2
(3) 96 cm^2
(4) 120 cm^2

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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 thirty thousand and forty-eight in figures.

Ans: _____

17. Write the missing number in the number pattern below.

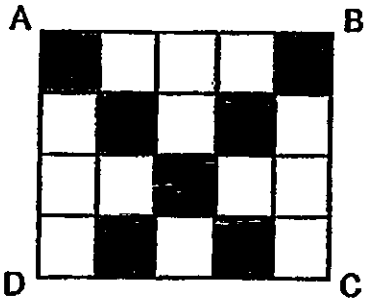
8759 , 8909 , 9059 , _____ , 9359

Ans: _____

18. What number is 100 more than 9999?

Ans: _____

19. In the figure below, rectangle ABCD is made up of 20 unit squares.
What fraction of rectangle ABCD is shaded?



Ans: _____

8

Do not write in this column

20. Which two of the fractions below are greater than $\frac{1}{2}$?

$\frac{1}{4}$, $\frac{3}{5}$, $\frac{5}{9}$, $\frac{5}{11}$

Ans: _____ and _____

21. Write $\frac{17}{8}$ as a mixed number in its simplest form.

Ans: _____

22. Arrange the following numbers in order from the smallest to the greatest.

3.05, 0.35, 0.305

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

23. 9.4 – 0.68 = _____

Ans: _____

24. Find the value of 5.39 x 8

Ans: _____

10

Do not write in this column

25. Denise gave $\frac{1}{12}$ of her sweets to Joanna and $\frac{1}{3}$ of her sweets to Christine. What fraction of her sweets was left?

Ans: _____

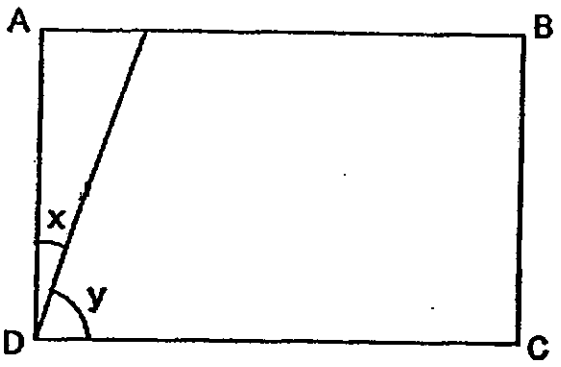
26. A tablet computer cost $231.95. What is the cost of 5 tablet computers? Round off your answer to the nearest dollar.

Ans: $_____

27. A wall was painted in green and yellow. The area painted green was 2.2 m^2. The area painted yellow was 0.48 m^2 lesser than the area painted green. Find the area of the wall that was painted yellow.

Ans: _____ m^2

28. ABCD is a rectangle. $\angle y$ is 4 times the size of $\angle x$.
What is $\angle y$?

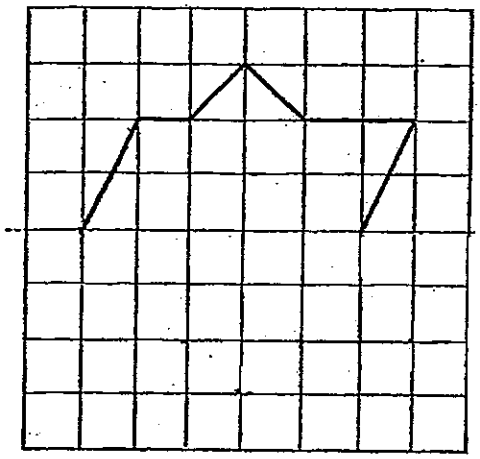


Ans: _____°

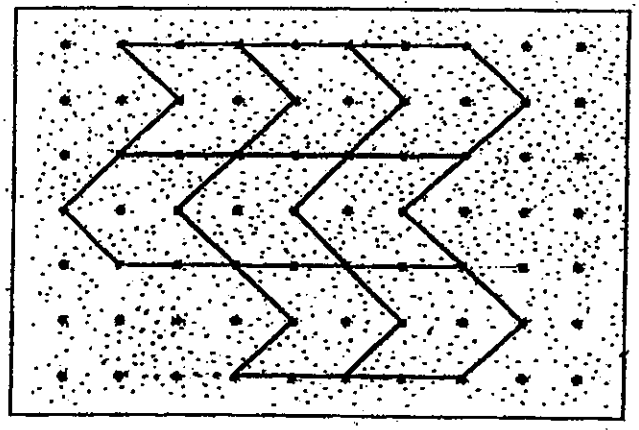
8

29. Complete the diagram below to form a symmetric figure. The dotted line is the line of symmetry.

Do not write in this column



30. The pattern in the box shows part of a tessellation.
Draw two more unit shapes in the space provided.



31. The table below shows part of the menu at a restaurant.

Item	Small	Medium	Large
Ice-cream	$0.70	$1.00	$1.50
Hash Brown	$1.50	$1.80	$2.00
Drink	$1.00	$1.20	$1.50

Matilda bought 1 small ice-cream, 2 medium hash brown and 1 large drink.
How much did she pay altogether?

Ans: $_____

6

32. A bag consisted of 252 red, green and yellow buttons. There were 6 times as many yellow buttons as green buttons and thrice as many yellow as red buttons. How many green buttons were there in the bag?

Do not write in this column

Ans: _____

33. A table costs $128 The cost of a chair is $\frac{1}{4}$ that of the table. Find the total cost of the table and 4 chairs.

Ans: $_____

34. A movie started at 11.30 p.m. on Thursday night and ended at 1.05 a.m. the next day. How long was the show?

Ans: ___ h ___ min

35. The breadth of a rectangular swimming pool is $\frac{1}{3}$ its length. Its perimeter is 192 m. What is the area of the swimming pool?

swimming pool

Ans: _____ m^2

8

Name: _____ ( )

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

30

Section C: (30 marks)

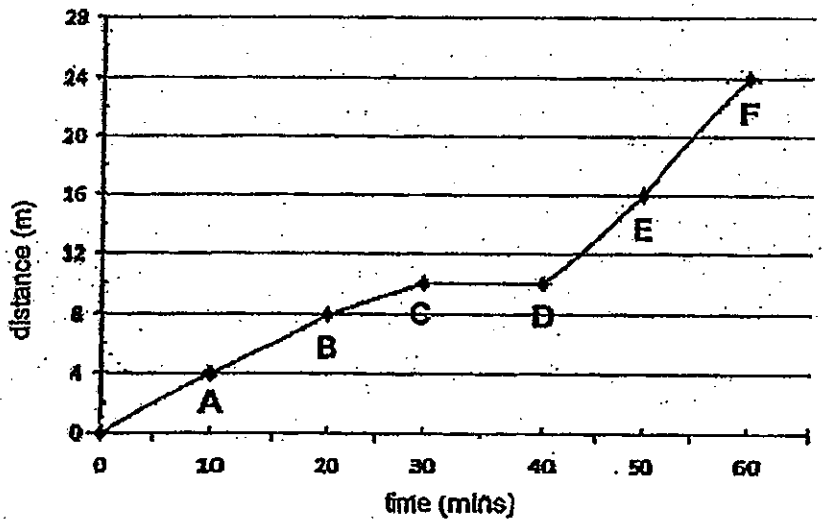
For questions 36 to 43, show your working clearly in the space provided for each question and write your answer in the space provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question.

36. Mrs Lam gave $\frac{1}{6}$ of the pies she baked to her aunt. If she was left with 35 pies, how many pies did she bake at first?

Do not write in this column

Ans: _____ [3]

37. The line graph below shows the distance an ant crawled in an hour. Study the graph carefully and answer the questions that follow.



(a) How far did the ant move from Point B to Point F?

(b) The ant took a rest for a certain period of time. Based on the graph above, for how long had the ant rested?

Ans: (a) _____ [2]

(b) _____ [1]

6

38. There are 450 and 210 sweets in boxes A and B respectively. How many sweets must be transferred from box A to box B so that the number of sweets in box B is 5 times the number of sweets in box A?

Do not write in this column

Ans: _____ [3]

39. Mrs Tham bought 7.74kg of flour. She used 3.18 kg of flour and repacked the rest equally into 8 packets. What is the mass of each packet of flour?

Ans: _____ [3]

6

40. A bookstore sold 2 pens for every 1 book sold. Each book cost $5 and each pen cost $2. If the store collected $216. how many pens were sold?

Do not write In this column

Ans: _____ [4]

4

41. Mrs Devi had 27.75 kg of sugar. She bought 9 more packets of sugar. Each packet contained 12.25 kg of sugar. Mrs Devi repacked all the sugar equally into smaller packets.

(a) How much sugar did Mrs Devi have altogether?

(b) If each smaller packet contained 3 kg of sugar, how many such packets did Mrs Devi get?

Do not write In this column

Ans: (a) _____ [3]

(b) _____ [2]

5

42. Filza spent $\frac{1}{4}$ of her salary on books and $\frac{2}{3}$ of her salary on a television.

The television cost $890 more than the books.

(a) How much was her salary?

(b) How much money did she have in the end?

Do not write In this column

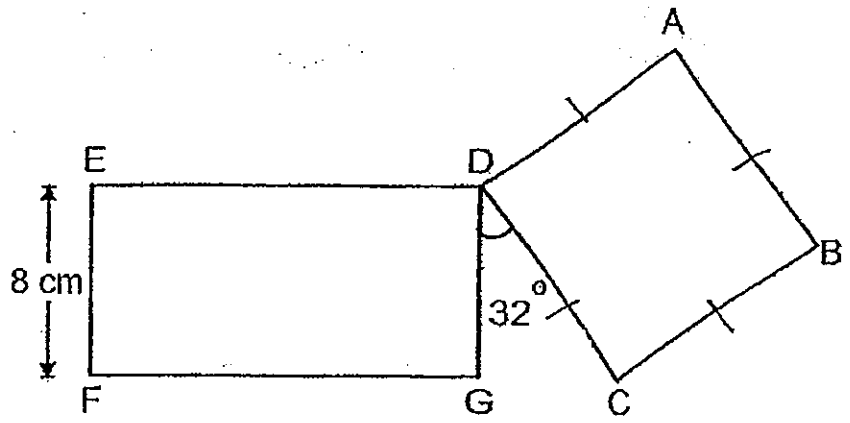
Ans: (a) _____ [3]

(b) _____ [2]

5

43. A piece of wire measuring 100 cm is used to form the figure as shown below. The square ABCD has an area of 81 cm^2. The rectangle DEFG has a breadth of 8 cm.

Do not write In this column



(a) Find the length of FG.

(b) Find $\angle EDC$.

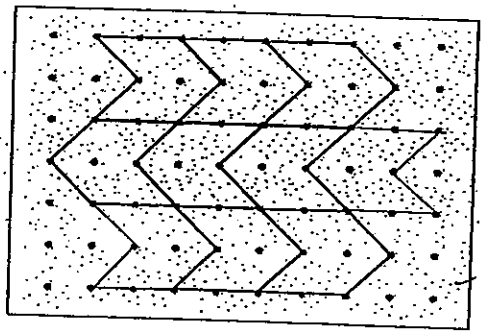
Ans: (a) _____ [3]

(b) _____ [1]

4

END OF PAPER

Q30)



Q31) $5.80
Q32) 28
Q33) $256
Q34) 1h 35min
Q35) 1728m^2

Section C
Q36) 6/6 – 1/6 = 5/6
1u → 35 ÷ 5 = 7
6u → 7 x 6 = 42 (Ans)

Q37
a) 24 – 8 = 16m (Ans)
b) 40min – 30min = 10min (Ans)

Q38) 450 + 210 = 660
6u → 660
1u → 660 ÷ 6 = 110
450 – 110 = 340 (Ans)

Q39) Left → 7.74kg – 3.18kg = 4.56kg
1 packet → 4.556kg ÷ 8 = 0.57kg (Ans)

Q40) $2 x 2 = $4
$4 + $5 = $9
$216 ÷ $9 = 24
24 x 2 = 48 (Ans)

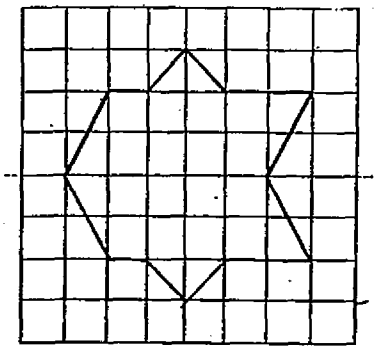
Answer Ke

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

TERM : SA2

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

Section B
Q16) 30048
Q17) 9209
Q18) 10099
Q19) 7/20
Q20) 3/5 and 5/9
Q21) 1/28
Q22) 0.305, 0.35 3.05
Q23) 8.72
Q24) 43.12
Q25) 7/12
Q26) $1160
Q27) 1.72m^2
Q28)72°
Q29)



Q41

a) 1P → 12.25kg

9P → 12.25 x 9 = 110.25kg

Total → 27.75kg + 110.25kg = 138kg (Ans)

b) 138 ÷ 3 = 46kg (Ans)

Q42

a) 8/12 – 3/12 = 5/12

5u → $890

1u → $890 ÷ 5 = $178

$178 x 12 = $2136 (Ans)

b) 8/12 + 3/12 = 11/12

12/12 -11/12 = 1/12

1u → $178 (Ans)

Q43

a) 9 x 9 = 81

9 x 4 = 36

100cm – 36cm = 64cm

64cm – 8 – 8 = 48cm

48cm ÷2 = 24cm (Ans)

b) 90° + 32° = 122° (Ans)