SINGAPORE CHINESE GIRLS' SCHOOL

SECOND SEMESTRAL ASSESSMENT 2014

PRIMARY 3

MATHEMATICS

BOOKLET A

Name : _____( )

Parent's Signature

Class : Primary 3 SY/C/G/SE/P

There are 15 questions in this booklet.
SECTION A

Total Time : 1 h 45 min (Booklet A and B)

INSTRUCTIONS TO CANDIDATES

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

CHECK THAT ALL MCQ ANSWERS ARE SHADED CORRECTLY IN THE OAS

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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.

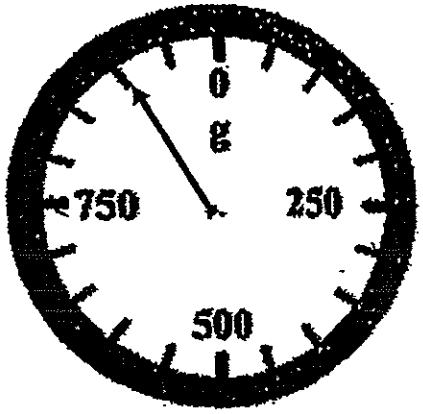
1. In 3096, the digit _____ is in the hundreds place.

   (1) 0
   (2) 6
   (3) 3
   (4) 9

2. 7906 has the same value as _____.

   (1) 79 + 6
   (2) 790 + 6
   (3) 79 + 100 + 6
   (4) 7000 + 900 + 6

3. The weighing scale shows the mass of two bags. What is the mass of the two bags?



   (1) 900 g
   (2) 850 g
   (3) 750 g
   (4) 250 g

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4. Which of the following is the equivalent fraction of $\frac{3}{4}$?

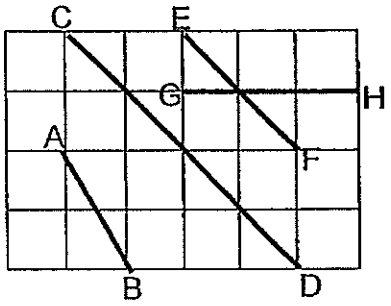
(1) $\frac{2}{3}$

(2) $\frac{6}{8}$

(3) $\frac{5}{6}$

(4) $\frac{7}{8}$

5. Which pairs of lines are parallel?



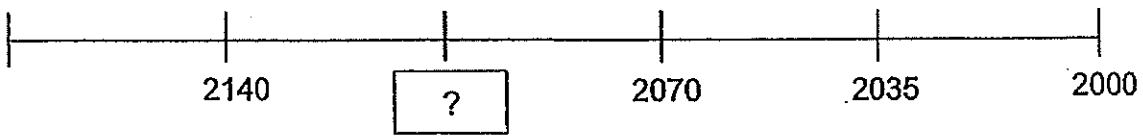
(1) EF and GH

(2) CD and EF

(3) AB and CD

(4) AB and EF

6. What is the missing number on the number line?



(1) 2105

(2) 2110

(3) 2115

(4) 2130

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7. Haslinda baked 120 muffins. She packed 6 muffins into each box. Each box was sold for $9. How much money would she collect if all the muffins were sold?

(1) $20
(2) $54
(3) $160
(4) $180

8. Cayla ate $\frac{1}{4}$ of a chocolate cake. She gave $\frac{3}{8}$ of it to her mother.

What fraction of the cake was left?

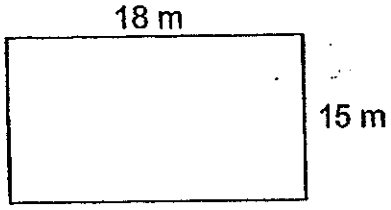
(1) $\frac{2}{8}$
(2) $\frac{3}{8}$
(3) $\frac{2}{4}$
(4) $\frac{5}{8}$

9. The school bell rings once every 30 minutes. How many times will the school bell ring from 8 a.m. to 11.15 a.m. including the first ring at 8 a.m.?

(1) 6
(2) 7
(3) 8
(4) 9

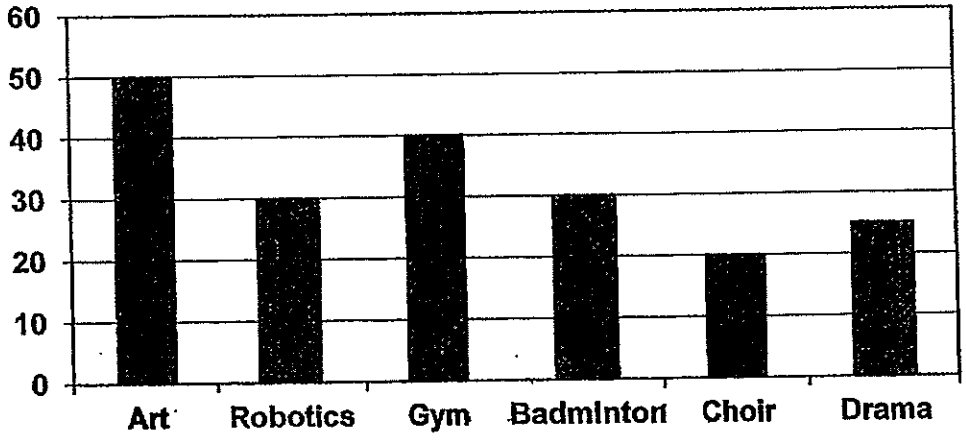
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10. What is the perimeter of the rectangle shown below?



(1) 33 m
(2) 36 m
(3) 64 m
(4) 66 m

The graph below shows the number of Primary 3 pupils in each CCA.



11. Which three CCAs has a total of 105 Primary 3 pupils?

(1) Art, Choir and Drama
(2) Art, Robotics and Drama
(3) Robotics, Gym and Choir
(4) Robotics, Badminton and Drama

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12. 6 bottles of water are needed to fill a pail. The pail has a capacity of 48 ℓ.
What is the capacity of each bottle?

(1) 8 $m\ell$
(2) 80 $m\ell$
(3) 7000 $m\ell$
(4) 8000 $m\ell$

13. Geraldine had 6 times as many paper clips as Jenny. After Geraldine gave half of her paper clips away, she had 24 more paper clips than Jenny. How many paper clips did Jenny have?

(1) 12
(2) 30
(3) 72
(4) 4

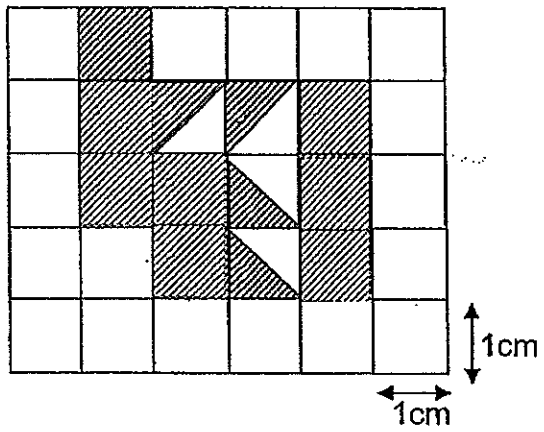
14. $2 \triangle 8 = 16 \heartsuit 6$

What do $\triangle$ and $\heartsuit$ represent?

	$\triangle$	$\heartsuit$
(1)	×	+
(2)	+	−
(3)	×	÷
(4)	+	×

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15.



The area of the shaded figure is _____ cm^2.

(1) 8

(2) 10

(3) 20

(4) 40

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SINGAPORE CHINESE GIRLS' SCHOOL

SECOND ~~FIRST~~ SEMESTRAL ASSESSMENT 2014

PRIMARY 3

MATHEMATICS

BOOKLET B

Name : _____( )

Class : Primary 3 SY/C/G/SE/P

		Marks attained	Max Mark
Booklet A	Section A		30
Booklet B	Section B		30
	Section C		20
Total			80

Parent's Signature

There are 20 questions in this booklet.
SECTION B and C

Total Time : 1 h 45 min (Booklet A and B)

INSTRUCTIONS TO CANDIDATES

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ANSWER ALL QUESTIONS.

This question paper consists of 9 printed pages. (Inclusive of cover page)

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Section B: (30 marks)

Questions 16 to 30 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. Arrange the following numbers from the largest to the smallest.

5822, 8225, 8522, 5228

Ans: _____

17. A number when divided by 4 gives a quotient of 15 with a remainder of 3.
What is the number?

Ans: _____

18. Rahimah woke up at 9 a.m. She slept for 10 hours.
What time did she sleep? (Give your answer in 12 hour clock.)

Ans: _____

6

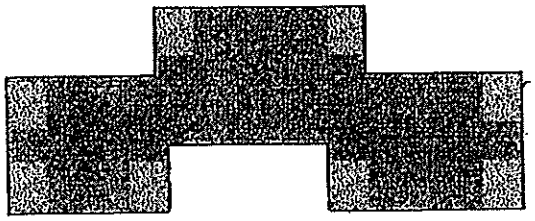
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19. Sean took 2 h 15 min to complete all his homework. His classmate, Joanne, took 1 h 45 min to complete her homework. How much longer did Sean take than Joanne?

Ans: _____ min

20. How many right angles are there in the shaded figure below?



Ans: _____

21. 7 680 is _____ tens more than 5 580

Ans: _____

22. Form the smallest 4-digit even number using all the digits given below.

7	0	2	6

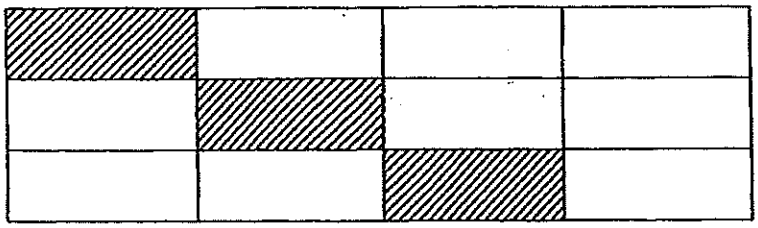
Ans: _____

8

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23. How many more rectangles must be shaded so that $\frac{2}{3}$ of the figure is shaded?



Ans: _____

24. Seven children spent a total of $21 on arcade games.
Each of them spent an equal amount of money.
How many games did each child play if one game cost $0.50?

Ans: _____

25. Mrs Eng bought 2 blouses and 5 skirts for $130.
2 blouses and a skirt cost $50.
How much did she pay for a skirt?

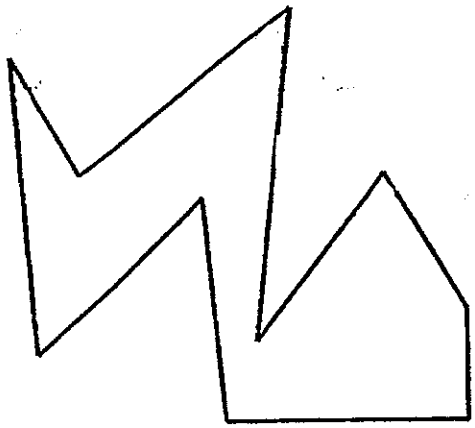
Ans: $_____

6

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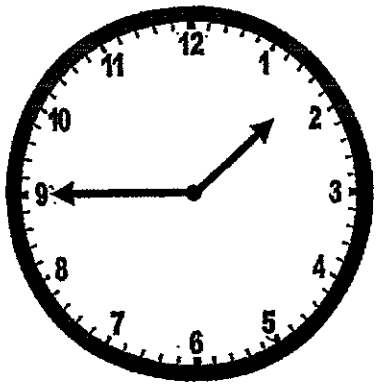
26. Mark all the angles that are smaller than a right angle in the figure.



27. Louis has 640 *mℓ* of orange juice in a bottle. He pours all of it equally into 8 glasses. He gives 2 glasses of the orange juice to his elder brother. How much orange juice did he give to his brother?

Ans: _____ *mℓ*

28. In 40 minutes' time, what time will the clock face show?



Ans: _____ p.m.

6

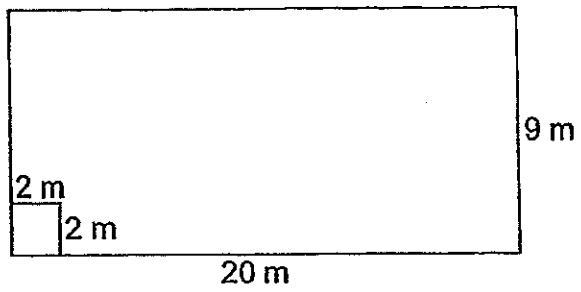
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29. A piece of cardboard is 20 m long and 9 m wide.

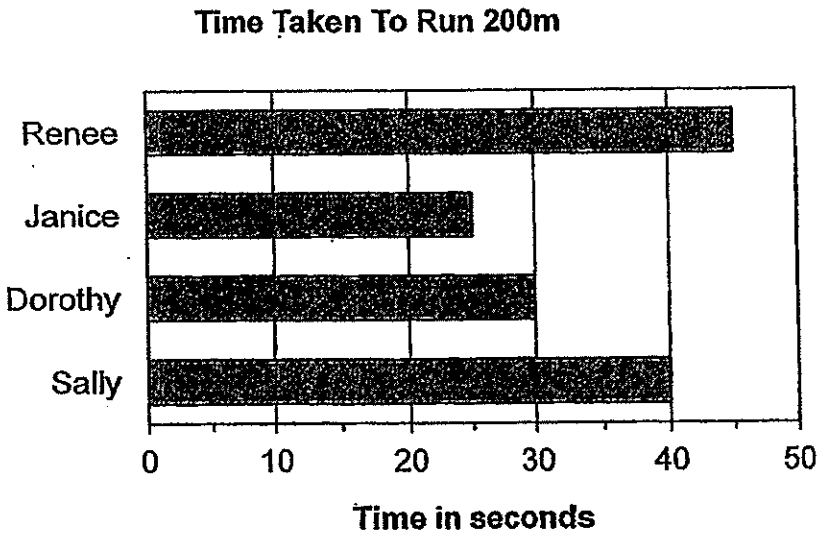
Joyce cuts square pieces from it.

If each square piece has a side of 2 m, how many pieces would Joyce get?



Ans: _____

30. The graph below shows the time taken by four girls to complete a 200 m race.



Who is the fastest runner in the race?

Ans: _____

4

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Section C: (20 marks)

Questions 31 to 35 carry 4 marks each. Show your workings clearly and write your answers in the spaces provided.

Do not write in this column

31. There are 30 more blue beads than green beads. There are 20 more purple beads than blue beads. There are a total of 230 beads. How many purple beads are there?

Ans: _____

32. Mrs Tan wanted to fence up the house in a square shape. The 4 corners of the house will each have a pole. She counted that there were 8 poles on each side of the house. How many poles did she use altogether?

Ans: _____

8

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33. Mrs Pang sold 20 mangoes at $4 each. Ms Teo sold thrice the number of mangoes at $2 each. How much more money did Ms Teo collect than Mrs Pang?

Do not write In this column

Ans: _____

34. Josephine and Daniel went shopping with the same amount of money. After Josephine spent $100 and Daniel spent $40, Daniel had three times as much money as Josephine. How much money did each of them have at first?

Ans: _____

/ 8

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35. Study the pattern below carefully.

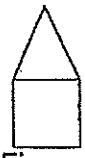


Figure 1

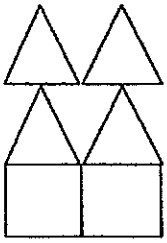


Figure 2

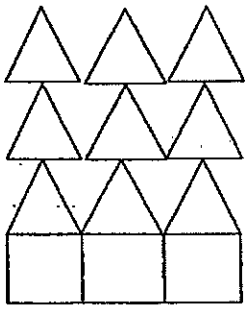


Figure 3

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Figure	Number of squares	Number of triangles
1	1	1
2	2	4
3	3	9

(a) Find the total number of triangles in Figure 7.

(b) Find the total number of squares and triangles in Figure 50.

Ans: (a) _____

(b) _____

4

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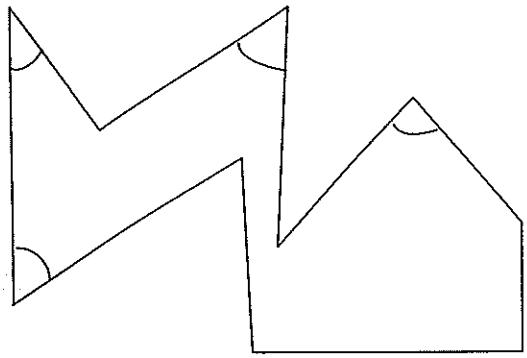
Singapore Chinese Girls' School
Mathematics SA2 2014

Section A

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

Section B

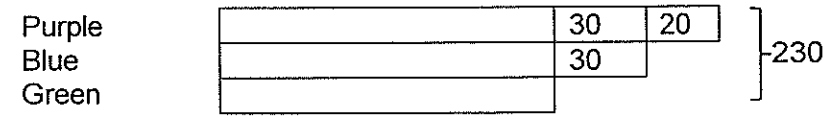
Q16) 8522, 8225, 5822, 5228
Q17) 63
Q18) 11.00pm
Q19) 30 min
Q20) 8
Q21) 210
Q22) 2076
Q23) 5
Q24) 6
Q25) $20
Q26)



27) 160ml
28) 2.25p.m.
29) 40
30) Janice

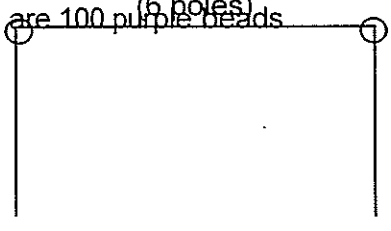
Section C

Q31)



30 x 2 = 60
60 + 20 = 80
230 – 80 = 150
3u = 150
1u = 150 ÷ 3
= 50
Purple = 50 + 30 + 20
=100
There are 100 purple beads

Q32)



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6x4 + 4 = 28 poles

Q33) Mrs Pang = $4 x 20
= $80
MsTeo = $2 x 60
= $120
$120 - $80 = $40

Q34)

Daniel				$40
Josephine		$100		

$100 - $40 = $60
2u = $60
1u = $60 ÷ 2
= $30
Daniel = $30 x 3 + $40
= $150
Josephine = $30 + $100
= $130

Q35) (a)

Figure	Number of squares	Number of triangles
1	1	1 x 1 = 1
2	2	2 x 2 = 4

Therefore,

7	7	7 x 7 = 49

(b)

50	50	50 x 50 = 2500

2500 triangles + 50 squares = 2550 triangles and squares.

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