SINGAPORE CHINESE GIRLS' SCHOOL (PRIMARY)
SECOND SEMESTRAL ASSESSMENT 2013
PRIMARY 3 MATHEMATICS

Name: _____ ( ) Marks: 100

Class: Primary 3

Time: 1 h 45 min Parent's Signature: _____

Section A: (40 marks)

Questions 1 to 20 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 number has the digit '8' in the hundreds place?

   (1) 9780

   (2) 8079

   (3) 7809

   (4) 8907

2. What is the difference between 6043 and 2058?

   (1) 3985

   (2) 4015

   (3) 4985

   (4) 8101

3. What must be added to 30 tens to get 42 hundreds?

   (1) 1200

   (2) 3900

   (3) 4170

   (4) 4500

Downloaded from SingaKids.com

4. What is the quotient of 630 ÷ 6?

(1) 15

(2) 105

(3) 150

(4) 3780

5. What is the missing number in the box?

$$\frac{2}{3} = \frac{16}{\square}$$

(1) 8

(2) 14

(3) 17

(4) 24

6. How many grams are there in 10 kg 30 g?

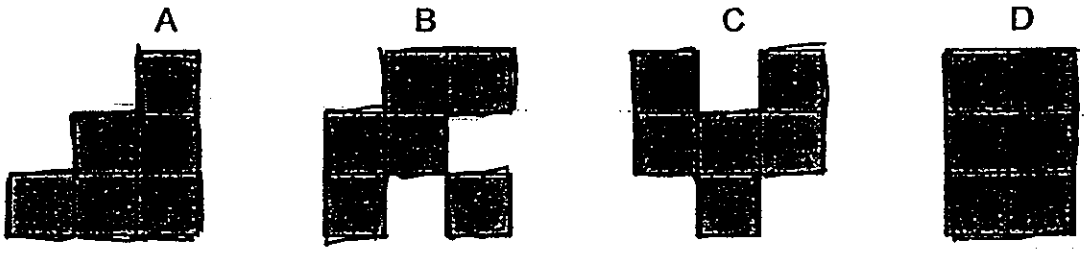
(1) 1 030 g

(2) 1 300 g

(3) 10 030 g

(4) 10 300 g

7. Figures A, B, C and D have the same area but different perimeters.
Which figure has the longest perimeter?



(1) A

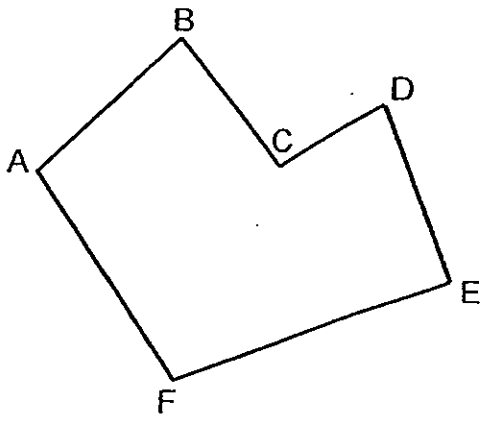
(2) B

(3) C

(4) D

Downloaded from SingaKids.com

8. In the figure below, which two lines are perpendicular to each other?



(1) AB and BC

(2) AF and FE

(3) BC and CD

(4) DE and EF

9. Anya mixed 40 *mℓ* of orange syrup with 560 *mℓ* of water to make some orange juice. She poured the orange juice equally into 7 glasses and had some orange juice left. How much orange juice was left?

(1) 5 *mℓ*

(2) 40 *mℓ*

(3) 80 *mℓ*

(4) 85 *mℓ*

10. Which of the following fractions is smaller than $\frac{1}{2}$?

(1) $\frac{2}{5}$

(2) $\frac{3}{4}$

(3) $\frac{4}{6}$

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

Downloaded from SingaKids.com

11. Which of the following is the same as $\frac{3}{8}$?

(1) $\frac{1}{5} + \frac{2}{3}$

(2) $\frac{1}{2} + \frac{1}{8}$

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

(4) $\frac{5}{8} - \frac{1}{4}$

12. Mr Lee painted $\frac{2}{3}$ of a pole red, $\frac{2}{9}$ of the pole blue and left the rest of the pole not painted. What fraction of the pole was not painted?

(1) $\frac{1}{9}$

(2) $\frac{4}{9}$

(3) $\frac{7}{9}$

(4) $\frac{8}{9}$

13. Jessie gave the cashier a ten-dollar note. The cashier returned her 4 two-dollar notes, 3 twenty-cent coins and 1 ten-cent coin for change. How much money did she spend?

(1) $1.20

(2) $1.30

(3) $2.30

(4) $8.70

Downloaded from SingaKids.com

14. A tin of biscuits weighs 2 kg. The tin weighs 180 g. What is the mass of the biscuits?

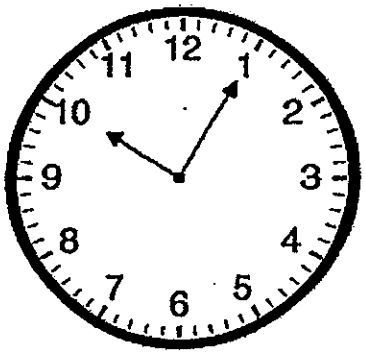
(1) 178 g

(2) 820 g

(3) 1820 g

(4) 2180 g

15. The clock shown below is 15 minutes fast.
What is the actual time?



(1) 9.20 a.m.

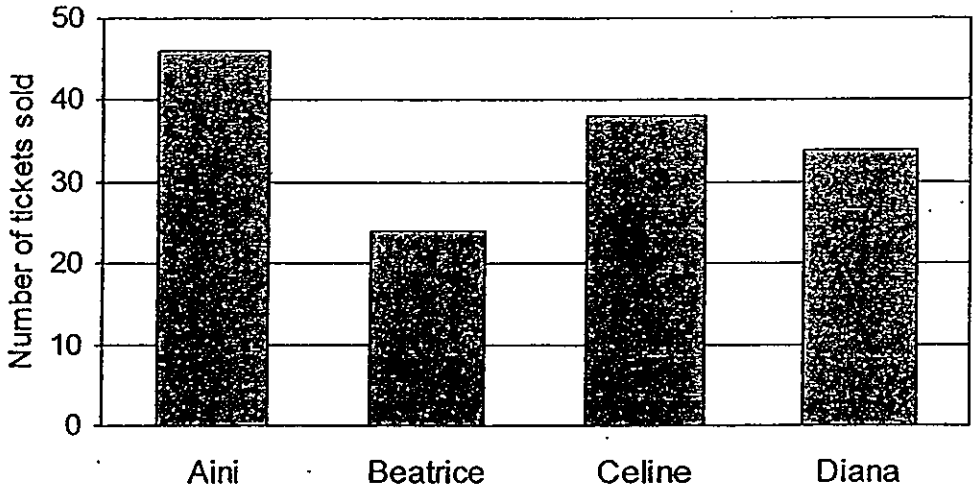
(2) 9.50 a.m.

(3) 10.05 a.m.

(4) 10.20 a.m.

Downloaded from SingaKids.com

16. Each pupil was given 50 concert tickets to sell. The bar graph below shows the number of tickets sold by four girls.



Who had the least number of tickets left unsold?

(1) Aini

(2) Beatrice

(3) Celine

(4) Diana

17. What is the missing number in the box?

$$\begin{array}{r} 3\ ?\ 2 \\ \times\quad 7 \\ \hline 2\ 6\ 7\ 4 \\ \hline \end{array}$$

(1) 1

(2) 2

(3) 6

(4) 8

Downloaded from SingaKids.com

18. Kristy has 38 stickers more than Linda. How many stickers must Kristy give to Linda so that Kristy will have 12 stickers more than Linda?

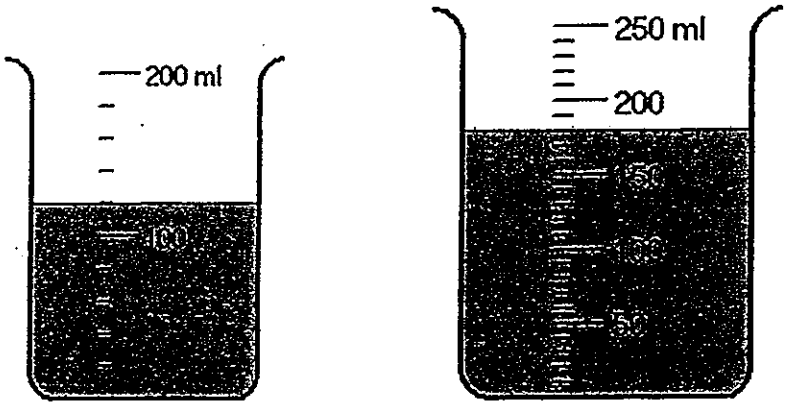
(1) 6

(2) 13

(3) 19

(4) 26

19. How much water must be poured from Beaker B into Beaker A so that both beakers will have the same amount of water?



Beaker A Beaker B

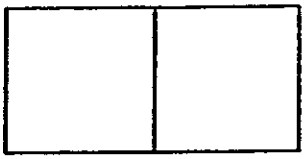
(1) 20 *mℓ*

(2) 30 *mℓ*

(3) 40 *mℓ*

(4) 60 *mℓ*

20. The figure below is made up of 2 identical squares. It has a perimeter of 42 cm. What is the area of the figure?



(1) 36 cm^2

(2) 49 cm^2

(3) 72 cm^2

(4) 98 cm^2

Downloaded from SingaKids.com

Downloaded from SingaKids.com

Name :_____( )

Class: Primary 3

Section B and C Marks: 60

Section B: (40 marks)

Questions 21 to 40 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

21. Write in numerals.

Eight thousand and thirty

Ans: _____

22. How many tens are there in the product of 670 and 8?

Ans: _____

23. Express $\frac{8}{12}$ in its simplest form.

Ans: _____

24. Write 5 m 8 cm in cm.

Ans: _____ cm

25. What time is 15 minutes to 9 a.m.?

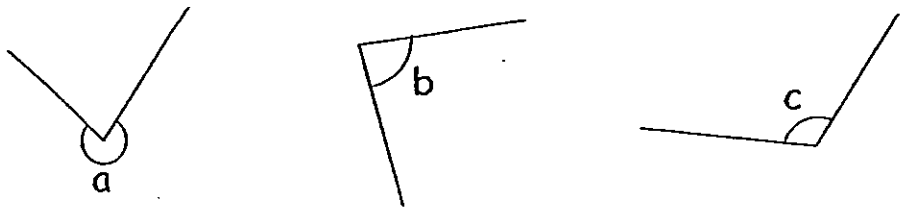
Ans: _____ a.m.

10

Downloaded from SingaKids.com

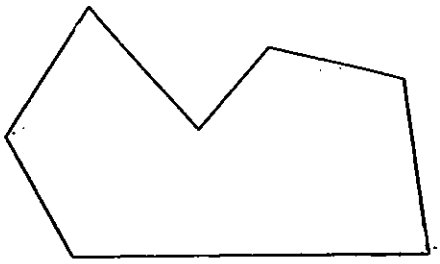
Do not write
In this column

26. Arrange the angles below in order, beginning with the smallest angle.



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

27. Mark inside the figure 2 angles that are smaller than a right angle.



28. Complete the number pattern.

6 143 , 6 023 , _____ , 5 783 , 5 663

Ans: _____

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

3	1	7	2

Ans: _____

30. Arrange these fractions in order, beginning with the smallest.

$\frac{5}{6}$, $\frac{5}{9}$, $\frac{2}{3}$

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

10

Downloaded from SingaKids.com

Do not write
In this column

31. 5 oranges cost $3.
What is the cost of 50 oranges?

Ans:

32. It takes 40 minutes to bake a cake. How long will it take to bake 5 cakes? Give your answer in hour and minutes.

Ans: _____ h _____ min

33. Emily left her school at 2.45 p.m. She took 30 minutes to travel from her school to the National Library. She left the library at 5.00 p.m.
How much time did she spend in the library?

Ans: _____ h _____ min

34. Michelle bought 5 square handkerchiefs of side 24 cm. She sewed laces around the edges of each handkerchief. What was the total length of laces that she used?

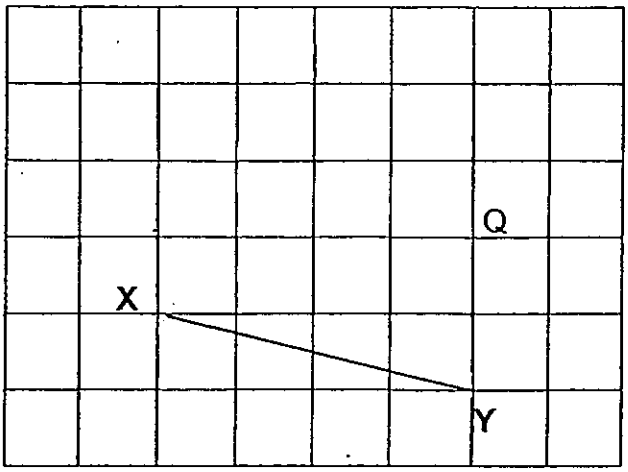
Ans: _____ cm

8

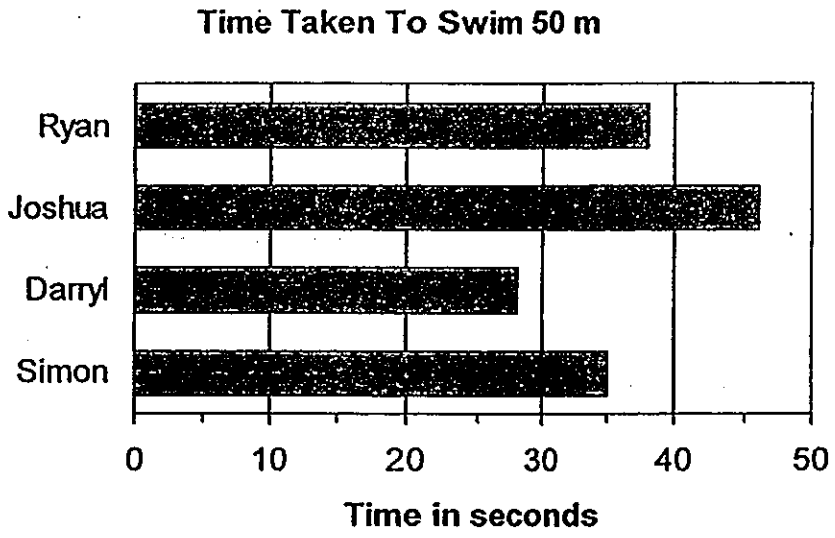
Downloaded from SingaKids.com

Do not write in this column

35. Draw a line parallel to XY, passing through Point Q.



36. The graph below shows the time taken by four boys to swim 50 m.



Who is the fastest swimmer? Ans:_____

37. Tricia gave each of her friends 5 cards and had 3 cards left.
If she were to give each of them 6 cards, she would be short of 4 cards.
How many friends did she have in all?

Ans: _____

6

Downloaded from SingaKids.com

38. Miss Tan used 9 buttons to form a triangle such that an equal number of buttons were used along each side of the triangle.
How many buttons were there along each side of the triangle?

Ans: _____

Do not write In this column

39. The perimeter of a football field is 420m. Its length is 150m.
Find the breadth of the football field.

Ans: _____ m

40. There were 920 people at a carnival. 650 of them were adults and the rest were children. There were twice as many boys as girls at the carnival.
How many girls were at the carnival?

Ans: _____

6

Downloaded from SingaKids.com

Section C: (20 marks)

Questions 41 to 45 carry 4 marks each. Show your workings clearly and write your answers in the spaces provided.

Do not write in this column

41. Roy, Sam and Tom donated a total amount of $784.
Roy donated $270 more than Sam.
Tom donated $320 less than Roy.
How much money did Tom donate?

Ans: _____

42. Lina and Minah had 164 beads. After Lina gave 18 beads to Minah, Lina had thrice as many beads as Minah. How many beads did Lina have at first?

Ans: _____

8

Downloaded from SingaKids.com

43. On a Sports Day, 5 points were awarded for every gold medal won and 3 points were awarded for every silver medal won. Bala scored a total of 36 points for 8 medals won. How many gold medals were won?

Do not write in this column

Ans: _____

4

Downloaded from SingaKids.com

44. Matchsticks are used to form the following figures below. The table below shows the figure number and the number of matchsticks used to form different figures.

Do not write In this column

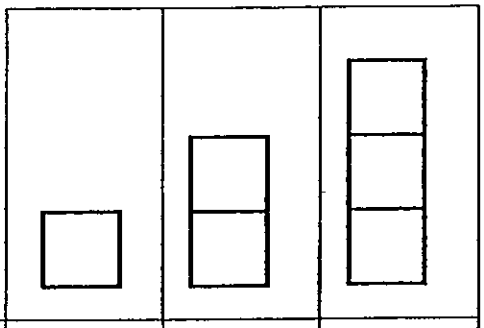


Figure number	1	2	3
Number of matchsticks	4	7	10

Look for a pattern between the figure number and the number of matchsticks used to form the figures and answer the following questions.

(a) How many matchsticks are required to form Figure 6?

(b) Which figure number requires 61 matchsticks?

Ans: (a)_____ [2]

(b)_____ [2]

4

Downloaded from SingaKids.com

45. Anya and Beth had $53 at first. After Beth received $16 from her mother, Anya had twice as much as Beth. How much money did Beth have at first?

Do not write In this column

Ans: _____

4

END OF PAPER

Downloaded from SingaKids.com

Downloaded from SingaKids.com

ANSWER SHEET

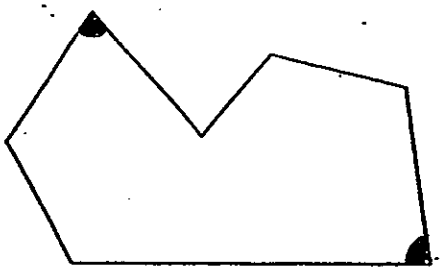
EXAM PAPER 2013
SCHOOL : SINGAPORE CHINESE GIRLS' SCHOOL
SUBJECT : PRIMARY 3 MATHEMATICS

TERM : SA2

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17
3	1	2	2	4	3	2	4	1	1	4	1	2	3	2	1	4

Q18	Q19	Q20	Q21	Q22	Q23	Q24	Q25	Q26	Q27	Q28	Q29	Q30	Q31	Q32	Q33	Q34
2	2	4														

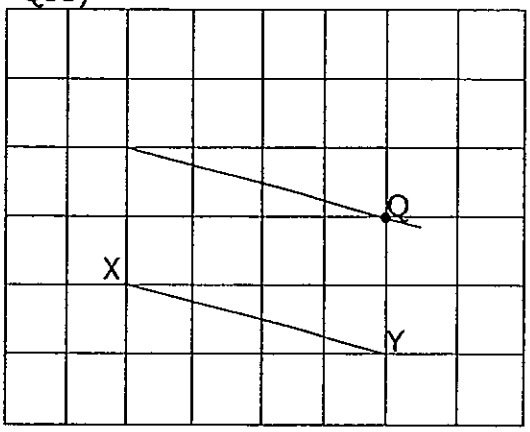
Section B
Q21) 8030
Q22) 536
Q23) 2/3
Q24) 508cm
Q25) 8:45am
Q26) ∠ b, ∠ c, ∠ a
Q27)



Q28) 5403
Q29) 1372
Q30) 5/9, 2/3, 5/6
Q31) $30
Q32) 3h 20min

Downloaded from SingaKids.com

Q33) 1h 45min
Q34) 480cm
Q35)



Q36) Daryl
Q37) 7
Q38) 4 buttons
Q39) 60 m
Q40) 90 girls

Section C
Q41) 320 – 270 = 50
3u → 784 – 320 – 50 = 414
1u → 414 ÷ 3 = $138 (Ans)

Q42) 4u → 164
1u → 164 ÷ 4 = 41
3u → 41 x 3 = 123 (Ans)

Q43)

No of gold medals	No of points	No of silver medals	No of points	Total score	No of medals	Check
4	20	4	12	32	8	X
5	25	3	9	34	8	X
6	30	2	6	36	8	√

Q44
a) 19
b) 20

Downloaded from SingaKids.com

Q45) $53 + $16 = $69
16 x 3 = $48
3u → $64 - $48 = $21
1u → $21 ÷ 3 = $7 (Ans)

Downloaded from SingaKids.com

Downloaded from SingaKids.com