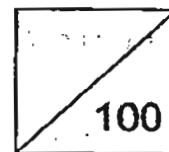


SINGAPORE CHINESE GIRLS' SCHOOL (PRIMARY)

SECOND SEMESTRAL ASSESSMENT 2011

**PRIMARY 3
MATHEMATICS**



Name: _____ ()

Marks:

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

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 '5' in the hundreds place?

- (1) 2 057
- (2) 2 570
- (3) 5 072
- (4) 7 205

2. What is the value of 28 hundreds and 7 ones?

- (1) 287
- (2) 2 087
- (3) 2 807
- (4) 2 870

3. What is the difference between 5 002 and 2 459?

- (1) 2 543
- (2) 2 553
- (3) 3 457
- (4) 7 461

4. Which fraction is not equivalent to $\frac{2}{3}$?

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

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

(3) $\frac{6}{9}$

(4) $\frac{8}{12}$

5. What is the missing number in the box?

$$\frac{3}{4} = \frac{\boxed{}}{12}$$

(1) 7

(2) 8

(3) 9

(4) 11

6. How many grams are there in 8 kg 40 g?

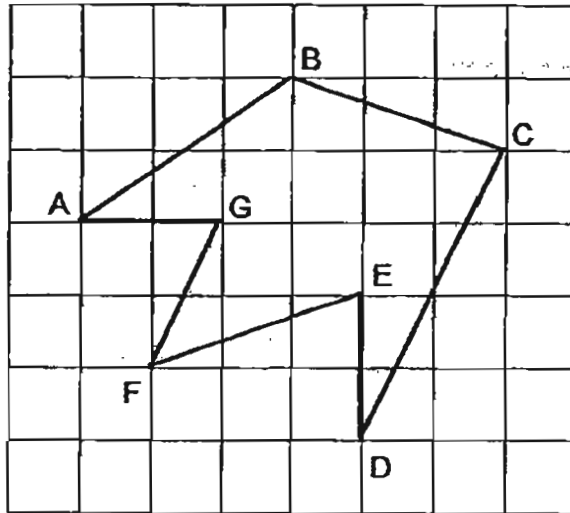
(1) 840 g

(2) 8 040 g

(3) 8 004 g

(4) 8 400 g

7. In the figure below, which two lines are parallel to each other?



- (1) AB and FE
 - (2) AB and DC
 - (3) BC and FE
 - (4) FG and DC
8. Sam and Tom have equal number of erasers. How many erasers must Sam give Tom so that Tom will have 12 erasers more than him?

- (1) 6
- (2) 12
- (3) 18
- (4) 24

9. What is the missing number in the box?

$$\begin{array}{r} 6 \quad \boxed{?} \quad 9 \\ \times \quad \quad 7 \\ \hline 4 \quad \boxed{?} \quad 2 \quad 3 \end{array}$$

- (1) 0
(2) 2
(3) 6
(4) 8
10. Which of the following fractions is smaller than $\frac{1}{2}$?

- (1) $\frac{2}{3}$
(2) $\frac{3}{4}$
(3) $\frac{3}{7}$
(4) $\frac{5}{9}$

11. Miss Lee ate $\frac{1}{4}$ of a cake and her brother ate $\frac{5}{8}$ of the cake.

What fraction of the cake was left?

- (1) $\frac{1}{8}$
(2) $\frac{3}{8}$
(3) $\frac{6}{8}$
(4) $\frac{7}{8}$

12. Kate went shopping with 2 ten-dollar notes, 4 two-dollar notes, 3 twenty-cent coins and 5 ten-cent coins. She paid the cashier \$20.75. How much money had she left?

- (1) \$8.35
- (2) \$9.10
- (3) \$28.35
- (4) \$29.10

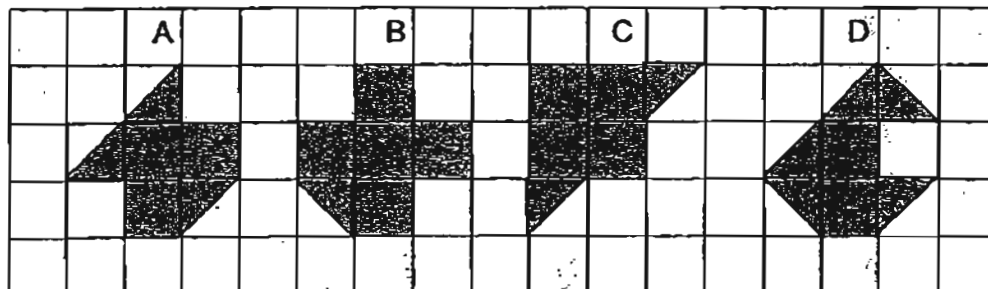
13. The table shows the time taken by 4 pupils to complete a jigsaw puzzle.

Pupil	Time Taken
Aihua	1 h 40 min
Bala	90 min
Cathy	130 min
Daniel	1 h 10 min

Who completed the jigsaw puzzle first?

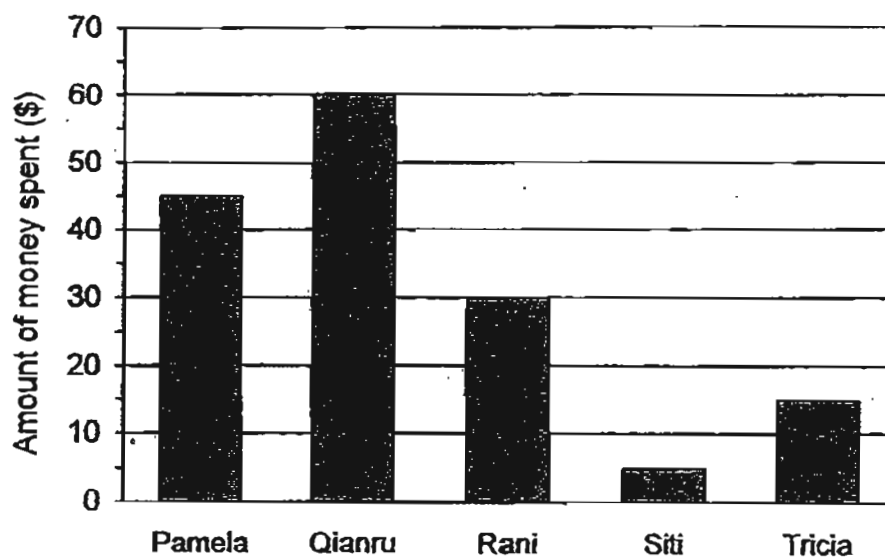
- (1) Aihua
- (2) Bala
- (3) Cathy
- (4) Daniel

14. Which figure has the greatest area?



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

15. The bar graph shows the amount of money spent by five girls.

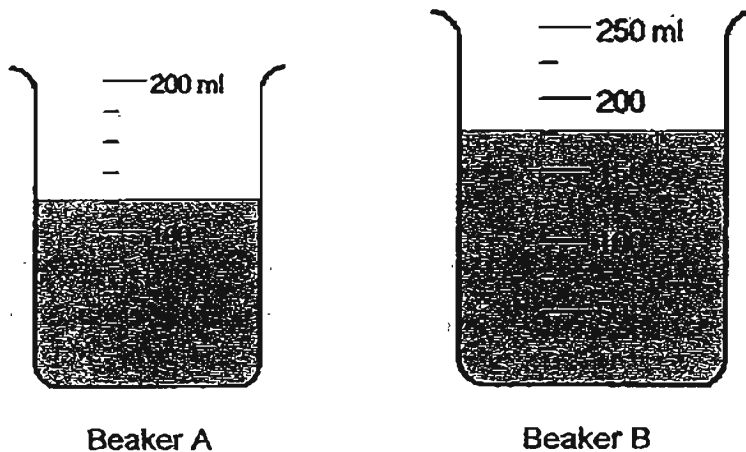


Who spent thrice as much as Tricia?

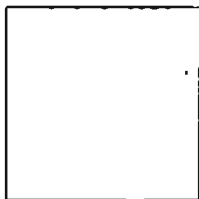
- (1) Pamela
- (2) Qianru
- (3) Rani
- (4) Siti

16. After reading a book for 6 days, Mavis still had 42 pages left. She read 18 pages each day. How many pages are there in the book?
- (1) 60
 - (2) 66
 - (3) 108
 - (4) 150
17. A tailor needs to buy buttons for 98 shirts. Each shirt needs 7 buttons. The buttons are sold in packets of 8. What is the least number of packets she needs to buy?
- (1) 56
 - (2) 85
 - (3) 86
 - (4) 112
18. Mrs Lim bought 138 sweets. She wanted to give 4 sweets to each of her pupils but she found that she had short of 10 sweets. How many pupils did she have?
- (1) 23
 - (2) 32
 - (3) 37
 - (4) 39

19. How much more water must be added to Beaker A so that it has the same amount of water as in Beaker B?



- (1) 40 ml
 - (2) 50 ml
 - (3) 55 ml
 - (4) 65 ml
20. The perimeter of the square is 32 cm.
Find the area of the square.

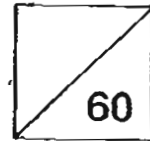


- (1) 8 cm²
- (2) 16 cm²
- (3) 24 cm²
- (4) 64 cm²

Name : _____ ()

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

Marks for Section B and C :



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.

21. Write 2 947 in words.

Ans: _____

Do not write
in this column

22. What is the remainder when 507 is divided by 6?

Ans: _____

23. Express $\frac{10}{12}$ in its simplest form.

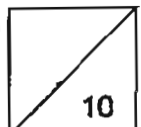
Ans: _____

24. Write 2 050 m in km and m.

Ans: _____ km _____ m

25. What time is 35 minutes before 6.15 p.m.?

Ans: _____ p.m.

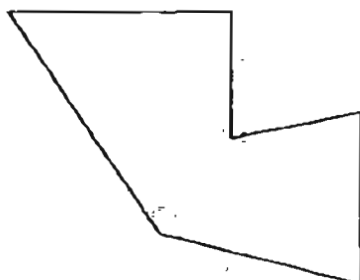


26. Write 135 min in hours and minutes.

Do not write
in this column

Ans: _____ min

27. In the figure below, there are 2 angles that are greater than a right angle.
Mark these 2 angles inside the figure.



28. What is the missing number?

4 890 is 30 tens less than _____.

Ans: _____

29. Complete the number pattern.

6 425 , 6 305 , _____ , 6 065 , 5 945

Ans: _____

30. Form the smallest 4-digit odd number using all the digits given below.

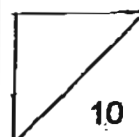
5

0

3

6

Ans: _____



31. Arrange these fractions in order, beginning with the greatest.

$$\frac{5}{8}, \frac{3}{4}, \frac{2}{5}$$

Do not write
in this column

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

32. Mrs Lim bought 2 mangoes and 1 papaya for \$7.90.
Each mango cost \$0.50 more than each papaya.
How much does each papaya cost?

Ans: \$ _____

33. Clock A is 20 minutes slow but Clock B is 15 minutes fast.
What is the time shown on Clock B?



Clock A



Clock B

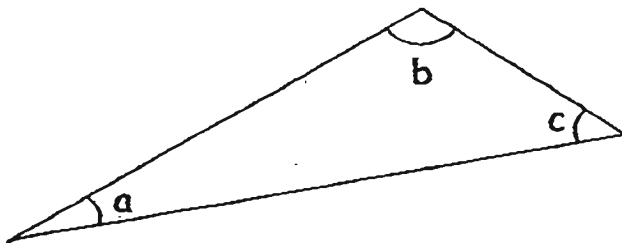
Ans: _____ p.m.

34. Mrs Lee walked round a rectangular field, 78 m by 50 m twice.
How far did she walk?

Do not write
in this column

Ans: _____ m

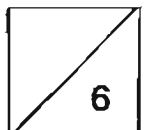
35. Arrange the angles of the triangle in order, beginning with the smallest.



Ans: \angle _____ , \angle _____ , \angle _____
(smallest) (greatest)

36. Mr Tan paid a bill of \$53 with \$10, \$5 and \$2 notes. He used 10 notes altogether. How many \$2 notes did he use?

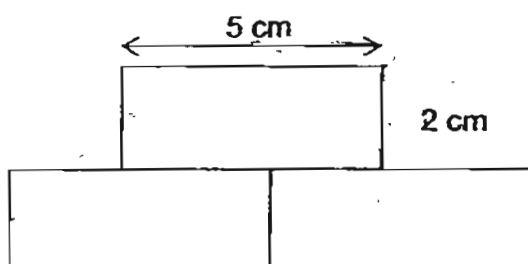
Ans: _____



37. Mrs Lee left her home to go to the supermarket at 10.30 a.m. She took 1h 15 min to reach the supermarket. She left the supermarket at 1.30 p.m. How long did she stay at the supermarket?

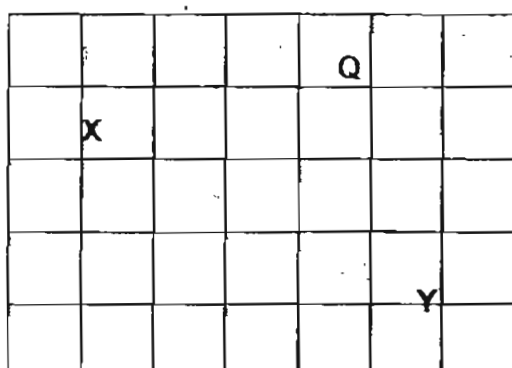
Ans: _____ h _____ min

38. The figure below is made up of 3 identical rectangles. Each rectangle is 5 cm long and 2 cm wide. Find the perimeter of the figure.
(The diagram below is not drawn to scale.)
























Ans: _____ cm

39. Draw a line perpendicular to XY, passing through Point Q.



40. Sam counted the number of vehicles that passed by his school during recess. He recorded the information on a picture graph as shown below.

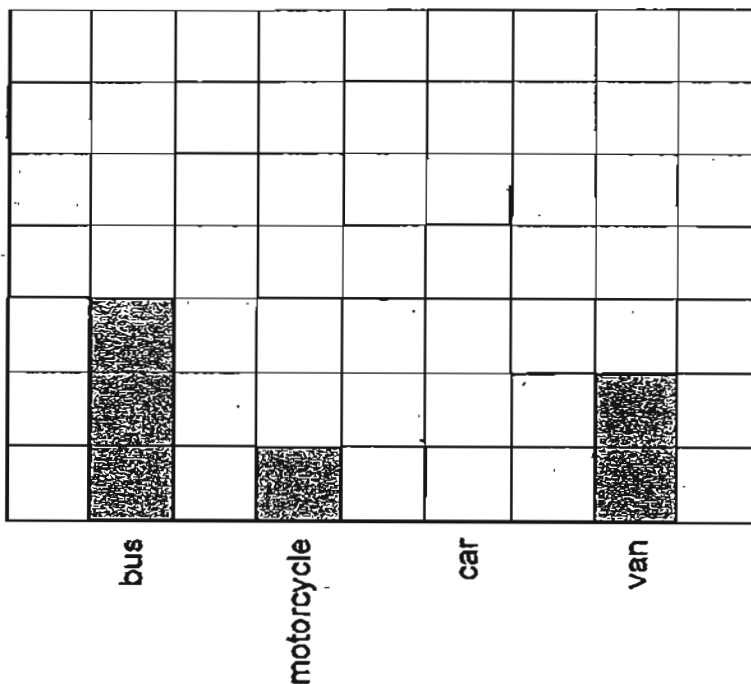
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bus	     
motorcycle	 
car	       
van	   
Each  stands for 2 vehicles.	

Complete the bar graph using the above information.

Shade the correct number of squares for the number of cars in the bar graph.

Vehicles Sam saw outside his school



Each  stands for 4 vehicles.

Section C: (20 marks)

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

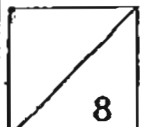
41. Alex scored 532 points in a quiz.
Ben scored 76 points more than Alex.
Colin scored 89 points less than Ben.
What was their total score?

Do not write
in this column

Ans: _____

42. Mrs Chan bought 270 sandwiches for a party. She bought 3 times as many egg sandwiches as ham sandwiches and twice as many ham sandwiches as tuna sandwiches. How many egg sandwiches did she buy?

Ans: _____



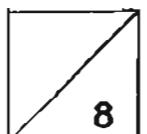
43. Mrs Ang mixes 4 spoonfuls of orange syrup with 900 ml of water to make some orange juice. Each spoon holds 15 ml of syrup. She then pours the orange juice equally into 8 glasses. How much orange juice is there in each glass?

Do not write
in this column

Ans: _____

44. Salim and Tom had an equal number of stickers. After Salim bought another 28 stickers and Tom lost 12 stickers, Salim had thrice as many stickers as Tom. How many stickers did each of them have at first?

Ans: _____



45. Jane had a new piggy bank and she saved only 10-cent coins. On the first day, she put one 10-cent coin into the piggy bank. On the second day, she put three 10-cent coins into the piggy bank. Each day she put two more 10-cent coins than the number of coins she put on the previous day.

Do not write
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Complete the following table.

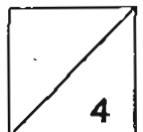
Day	Number of 10-cent coins saved	Total number of 10-cent coins saved
1	1	1
2	3	4
3	5	9
4	7	(a) _____ [1]

From the above table, look for a pattern and answer the following questions.

- (b) What was the total number of 10-cent coins that Jane had saved at the end of Day 10?
- (c) What was Jane's total amount of savings at the end of Day 10?
(Give your answer in dollars.)

Ans: (b) _____ [1]

(c) _____ [2]



END OF PAPER

Answer Ke

EXAM PAPER 2011

SCHOOL : SCGS

SUBJECT : PRIMARY 3 MATHEMATICS

TERM : SA2

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

Q18	Q19	Q20
3	3	4

21) Two thousand, nine hundred and forty-seven.

22) 3

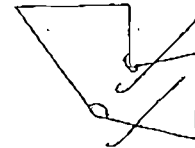
23) $5/6$

24) 2km 50m

25) 5.40p.m.

26) 2h 15min

27)



28) 5190

29) 6158

30) 3065

31) $3/4$, $5/8$, $2/5$

32) \$2.30

33) 4.10p.m.

34) 512m

35) a, c, d

36) 4

37) 1h 45min

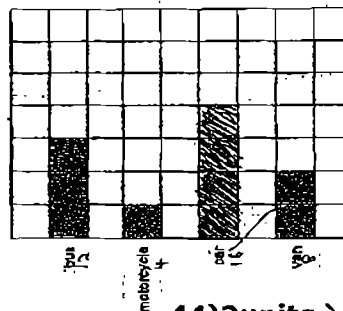
38) 28cm

39)



40)

Vehicles Sam saw outside his school



41) Alex → 532

Ben → $532 + 76 = 608$

Colin → $608 - 89 = 519$

Altogether → $532 + 608 + 519 = 1659$

42) $270 \div 9 = 30$

$30 \times 6 = 180$

43) $15\text{ml} \times 4 = 60\text{ml}$

$900 + 60 = 960$

$960 \div 8 = 120\text{ml}$

44) 2 units → $12 + 28 = 40$

1 unit → $40 \div 2 = 20$

1 unit → $20 + 12 = 32$

45) a) 16

b) 100

c) \$100

