

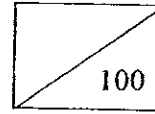
**SINGAPORE CHINESE GIRLS' SCHOOL**  
**SECOND SEMESTRAL ASSESSMENT 2006**  
**PRIMARY 3**  
**MATHEMATICS**

Name : \_\_\_\_\_ ( )  
Class : Primary 3

Date : \_\_\_\_\_  
Duration : 1 h 45 mins

Parent's Signature : \_\_\_\_\_

Marks :



**Section A (40 marks)**

Questions 1 – 20 carry 2 marks each. For each question, 4 options are given. One of these is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval in the Optical Answer Sheet (OAS):

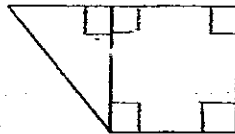
1. Nine thousand, eight hundred and two written as numeral is \_\_\_\_\_.

- |          |          |
|----------|----------|
| (1) 9082 | (3) 9802 |
| (2) 9208 | (4) 9820 |

2. Find the difference between 3809 and 6511.

- |          |          |
|----------|----------|
| (1) 2318 | (3) 3318 |
| (2) 2702 | (4) 3702 |

3. The figure below is made up of a square and a triangle. Find the number of right angles in the figure.



- |       |       |
|-------|-------|
| (1) 7 | (3) 3 |
| (2) 5 | (4) 4 |







16. During a game, Grace lost 28 beads to Fann and twice as many to Helen. At the end of the game, she found that she had 9 beads left. How many beads did Grace have at first?

(1) 37

(3) 84

(2) 56

(4) 93

17. Box A is 40 g lighter than Box B. What is the mass of Box B if the mass of Box A is 22 kg 200 g?

(1) 21 kg 800 g

(3) 22 kg 240 g

(2) 22 kg 160 g

(4) 22 kg 600 g

18. Ismail cycled 3 km 550 m on Monday and 4 km 460 m on Tuesday. How far did he cycle on both days?

(1) 7 km 10 m

(3) 8 km 10 m

(2) 7 km 110 m

(4) 8 km 110 m

19. Which of the following fractions is the smallest?

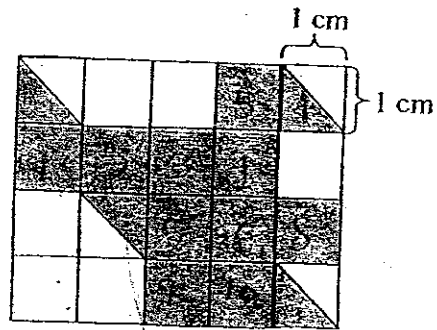
(1)  $\frac{1}{2}$

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

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

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

20. Find the area of the shaded figure.



(1)  $10 \text{ cm}^2$

(3)  $14 \text{ cm}^2$

(2)  $12 \text{ cm}^2$

(4)  $20 \text{ cm}^2$

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Name : \_\_\_\_\_ ( )  
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Duration : 1 h 45 mins

Parent's Signature : \_\_\_\_\_

**Section B (40 marks)**

Questions 21 – 40 carry 2 marks each. Write your answers in the blanks provided. All working must be shown clearly.

21. When the sum of 3674 and 230 is divided by 4, the quotient is \_\_\_\_\_

Ans : \_\_\_\_\_

22. The mass of Bag A is 2 kg 300 g and the mass of Bag B is 1 kg 750 g. Find the total mass of the 2 bags.

Ans: \_\_\_\_\_ kg \_\_\_\_\_ g

23. Write down the missing numerator and denominator in the boxes.

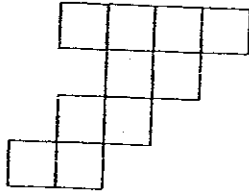
$$\frac{\boxed{\phantom{00}}}{3}$$

$$\frac{4}{\boxed{\phantom{00}}}$$

$$\frac{8}{\boxed{\phantom{00}}}$$



24. The figure below is made up of 1-m squares. Find its area.



Ans: \_\_\_\_\_ m<sup>2</sup>

25. Find the largest difference between 42 hundreds and 31 ones.

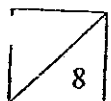
Ans: \_\_\_\_\_

26. 6 children shared a packet of sweets. 4 of them had 12 sweets each and the remaining 2 children had 25 sweets. How many sweets are there in the packet?

Ans: \_\_\_\_\_

27. Joe spent half of his pocket money on a sandwich and a can of drinks. The can of drinks cost \$0.80 and the sandwich cost \$1.10. Find the amount of money that he had at first.

Ans: \$ \_\_\_\_\_





28. Katie used 2 m of cloth to make a dress and 1 m 60 cm of cloth to make a skirt. How much cloth did she use to make 2 dresses and 2 skirts?

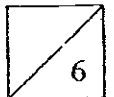
Ans: \_\_\_\_\_ m \_\_\_\_\_ cm

29. The distance round a running track is 400 m. Limin ran 4 rounds along the track and walked 3 times round it. What distance did she cover in all?

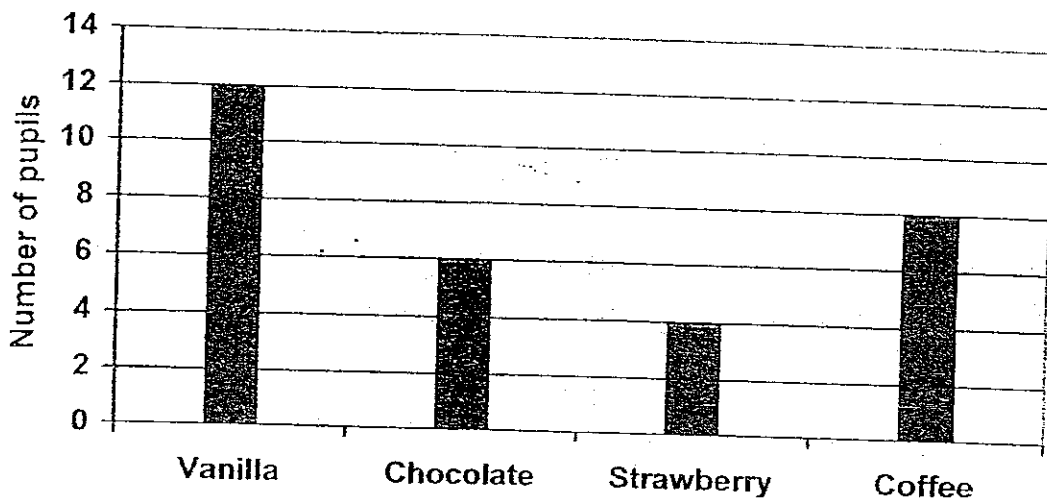
Ans: \_\_\_\_\_ km \_\_\_\_\_ m

30. Muthu is 8 years 3 months old. His cousin, Nathan, is 8 months older than him. How old is Nathan?

Ans: \_\_\_\_\_ years \_\_\_\_\_ months



31. 30 pupils were asked to choose their favourite flavour of ice-cream. The bar graph below shows their choices.



- (a) Which ice-cream flavour is most popular?  
(b) How many more children like coffee ice-cream than strawberry ice-cream?

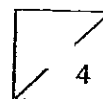
Ans: (a) \_\_\_\_\_

(b) \_\_\_\_\_

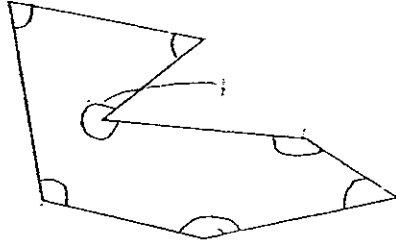
32. Arrange the set of fractions in order. Begin with the biggest.

$$\frac{2}{5}, \quad \frac{2}{7}, \quad \frac{2}{10}$$

Ans: \_\_\_\_\_

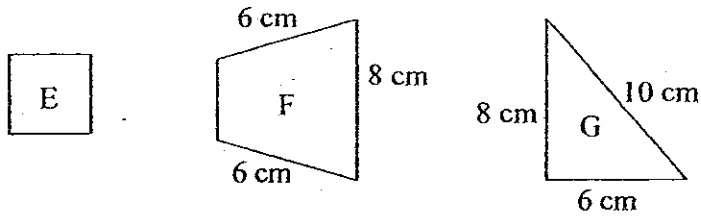


33. In the figure below, how many of the 7 angles are greater than a right angle?

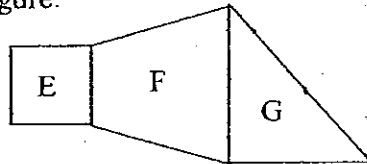


Ans: \_\_\_\_\_

34. Figures E, F and G are put together to form a new figure below. The perimeter of the new figure is 37 cm. If Figure E is a square, find the length of one of its side.



New Figure:

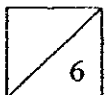


Ans: \_\_\_\_\_ cm

35.  $830 = \square$  hundreds + 30 ones.

The missing number in the box is \_\_\_\_\_.

Ans: \_\_\_\_\_



36.  $7000 + 600 + 50 + 2 = 70 \text{ hundreds} + \square \text{ tens} + 2 \text{ ones}$   
The missing number in the box is \_\_\_\_\_

Ans: \_\_\_\_\_

37. Mr Peh packed a box of marbles into 9 packets. After packing 236 marbles into each packet, he found that he had 128 marbles left. How many marbles were there in the box?

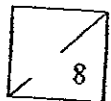
Ans: \_\_\_\_\_

38. Rahim had 200 stamps and Samad had twice as many. Terry had as many as Rahim and Samad had in total. How many stamps did Terry have?

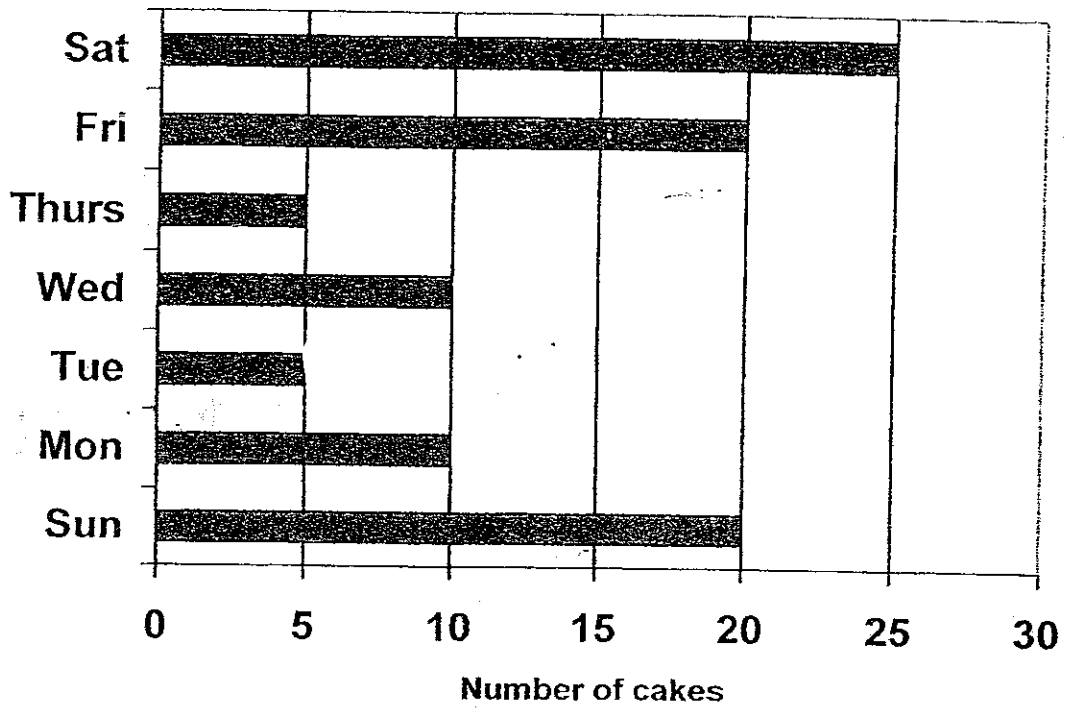
Ans: \_\_\_\_\_

39. Aili and Baolin were each given \$9.20. Aili spent \$5.50 and saved the rest. Baolin spent some money and saved twice as much as Aili. How much did Baolin save?

Ans: \$ \_\_\_\_\_

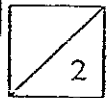


The graph below shows the number of cakes sold for a week.



40. What was the total number of cakes sold on Saturday and Sunday?

Ans: \_\_\_\_\_



**Section C (20 marks)**

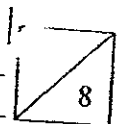
Questions 41 – 45 carry 4 marks each. All working must be clearly shown.

41. Mrs Quek made 300 pies. She sold 155 of them and gave 59 to each of her 2 friends. How many pies had she left?

Ans: \_\_\_\_\_

42. Rex had 100 red marbles and some blue marbles. He gave 80 blue marbles to his friend and found that he had 10 fewer blue marbles than red ones. How many marbles did he have at first?

Ans: \_\_\_\_\_

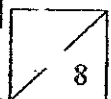


43. Lily, Sufen and Terry bought the same kind of files and pens from a bookshop. Sufen paid \$13.60 for 5 files and 6 pens and Terry paid \$10.40 for 4 files and 4 pens. How much did Lily have to pay for 2 files and 4 pens?

Ans: \_\_\_\_\_

44. Mother had 12 m of ribbon. She used some of the ribbon to tie 5 similar parcels and 7 m 50 cm to decorate a room. How much ribbon did she use for each parcel?

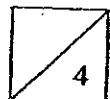
Ans: \_\_\_\_\_



45. Zoe mixed  $950 \text{ ml}$  of syrup with  $4 \text{ l } 150 \text{ ml}$  of water. She poured the mixture into a bottle and a jug. The jug could hold  $600 \text{ ml}$  more than the bottle. Find the capacity of the jug.

Ans: \_\_\_\_\_

END OF PAPER  
CHECK YOUR WORK





**Answer Sheets**  
**Singapore Chinese Girls Pri 3 SA2 / 2006 Maths**

- |       |       |       |       |       |
|-------|-------|-------|-------|-------|
| 1) 3  | 2) 2  | 3) 2  | 4) 4  | 5) 1  |
| 6) 1  | 7) 3  | 8) 4  | 9) 1  | 10) 1 |
| 11) 3 | 12) 4 | 13) 2 | 14) 1 | 15) 2 |
| 16) 4 | 17) 3 | 18) 3 | 19) 2 | 20) 2 |

21.  $3674 + 230 = 3904 \div 4 = 976$

22.  $2\text{kg } 300\text{g} + 1\text{kg } 750\text{g} = 4\text{kg } 50\text{g}$

23.  $\frac{2}{3}, \frac{4}{6}, \frac{8}{12}$

24.  $10\text{m}^2$

25.  $42 \times 100 = 4200$   
 $31 \times 1 = 31$   
 $4200 - 31 = 4169$

26.  $12 \times 4 = 48$  sweets  
 $25 + 48 = 73$  sweets

27.  $\$(0.80 + 1.10) = \$1.90$   
 $\$1.90 \times 2 = \$3.80$

28. 1 dress = 2m  
 2 dresses =  $2 \times 2 = 4\text{m}$   
 1 skirt = 1m 60cm  
 2 skirts =  $2 \times 160\text{cm} = 320\text{cm}$   
 (3m20cm)  
 $(4\text{m} + 3\text{m } 20\text{cm}) = 7\text{m } 20\text{cm}$

29.  $4 \times 400\text{m} = 1600\text{m}$   
 $3 \times 400\text{m} = 1200\text{m}$   
 $(1600 + 1200)\text{m} = 2800\text{m}$   
 $= 2\text{km } 700\text{m}$

30. Muthu = 8years 3 months (99 months)  
 Nathan =  $(8 + 99)$  months  
 $= 107$  months  $\div 12$   
 $= 8$  years 11 months

31a. Vanilla  
 b.  $8 - 4 = 4$  more children like coffee  
 Ice-cream

32.  $\frac{2}{5}, \frac{2}{7}, \frac{2}{10}$

33. 4 angles

34. 3cm

35.  $830 = \underline{8}$  hundreds + 30 ones

36.  $7000 + 600 + 50 + 2 =$   
 70 hundreds + 65 ones + 2 ones

37.  $9 \text{ packets} \times 236 = 2124 \text{ marbles}$   
 $(2124 + 128) = \underline{2252 \text{ marbles}}$  in the box

39. Aili =  $\$(9.20 - 5.50) = \$3.70$   
Baolin =  $\$3.70 \times 2 = \$7.40$

38. Rahim = 200 stamps  
Samad =  $200 \times 2 = 400$  stamps  
 $(400 + 200) = 600$  stamps (Terry)

40. Saturday = 25  
Sunday = 20  
 $(25 + 20) = 45$  cakes

41.  $300 - 155 = 145$  pies  
 $59 \times 2 = 118$  pies (given to her 2 friends)  
 $145 - 118 = 27$  pies

She had 27 pies left.

42. Red marbles = 100  
Blue marbles = 80 (gave to his friend)  
=  $80 + 10 = 90$   
=  $(100 + 90 + 80)$   
= 270 marbles

He had 270 marbles at first.

43. Sufen 5 files + 6 pens = \$13.60  
Terry 4 files + 4 pens = \$10.40  
=  $\$(13.60 - 10.40)$   
= \$3.20  
1 file + 2 pens = \$3.20  
2 files + 2 pens =  $\$(3.20 \times 2)$   
= \$6.40

Lily has to pay \$6.40

$$\begin{aligned} 44. \text{ Ribbon} &= 12\text{m (1200cm)} \\ &= 7\text{m } 50\text{cm (750cm)} \\ &= (1200 - 750)\text{cm} \\ &= 450\text{cm} \\ &= 450 \div 5 \\ &= 90\text{cm} \end{aligned}$$

Each parcel is **90cm**

$$\begin{aligned} 45. \text{ } 4\text{l } 150\text{ml} &= 4150\text{ml} \\ \text{Bottle} &= 1\text{l (1000ml)} \\ \text{Jug} &= (1000 + 600) \text{ml} \\ &= 1600\text{ml} \\ &= (4150 - 1600)\text{ml} \\ &= 2550\text{ml} \\ &= 2\text{l } 550\text{ml} \end{aligned}$$

The jug can hold **2l 550ml**