Name :		(	)	Date:
Class: Primary 50	SY)C/G/SE/P			Time : 2 h 15 miu
	1			
	SINGAPORE CHIP	NESE GIRLS	· scho	OL
	FIRST SEMESTRA	AL ASSESSM	TENT 2	007
	PRIMAI	RY 5 EM 1/2	:	
	MATE	IEMATICS		
	вос	KLET A		
15 Questions				
20 Marks				
ZU IVIAT KS				
		٠		
Total Vime Far F	looklets A and B : 2 h	15 mins		
I OLAI TIME YOU L	William Control of the Control of th			
	v =		-	
DO NOT OPEN	THIS BOOKLET UN	TIL YOU AF	E TOL	D TO DO SO.
	INSTRUCTIONS CA		ter eg	<b>6</b> /
ANSWER ALL				
ANDWEN ALL	Antratto.			112

## STAR ZEST HOME TUITION TEL 63845607

 $\mu = 1 - \frac{85m}{2} \frac{n}{n}$ 

#### SINGAPORE CHINESE GIRLS' SCHOOL FIRST SEMESTRAL ASSESSMENT 2007 MATHEMATICS

Name Class	: <u> </u>	mary 5 SY / C / G / SE / P	( )	Date : Time : 2 hr 15 min
Book	let A (	20 marks)		
Quest	tions 1	- 10 carry 1 mark each.	Questio	ns 11 – 15 carry 2 marks each
Make	ach qu your c t (OAS	choice (1, 2, 3 or 4). Shad	n. One o	of these is the correct answer. rrect oval in the Optical Answ
				·
1.	In 4 5	520 386, the value of the c		
	(1)	5 × 100		5 × 10 000
	(2)	5 × 1000	(4)	5 × 100 000
2.	Expr	ess 20 minutes as a fracti	on of 1 h	our.
	(1)	$\frac{1}{2}$ .	(3)	$\frac{1}{4}$
	(2)	$\frac{1}{3}$	(3)	1/5
3.	The	highest common factor of	18 and 2	27 is
	(1)	6	(3)	3
	(2)	2	(4)	9

4.	Father weighs 71kg. I	am	19kg lighter	than	him.	What is	our	total
	mass?	-						

(1) 52 kg

(3) 123 kg

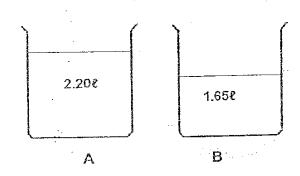
(2) 90 kg

- (4) 132 kg
- 5. Ai Lee has a piece of string 3 m long. She uses 35 cm of it to tie a parcel. What is the maximum number of such parcels she can tip?
  - (1) 5

(3) 8

 $(2) \qquad 7$ 

(4) 10

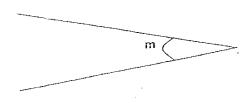


- 6. Beaker A has \_\_\_\_\_more water than Beaker B.
  - (1) 505 ml

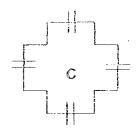
(3) 1505 ml

(2) 550 ml

(4) 1550 ml



- 7. In the figure above,  $\angle$  m is
  - (1) between  $40^{\circ}$  and  $60^{\circ}$
- (3) between 120° and 140°
- (2) between 80° and 100°
- (4) between 180° and 210°.



- 8. Figure C has \_\_\_\_\_ lines of symmetry.
  - (1) 1

(3) 3

(2) 2

- (4) 4
- 9. Chloe saves \$15 and Rachel saves \$50. What is the ratio of Chloe's savings to Rachel's savings?
  - (1) 3:10

(3) 5:25

(2) 3:15

- (4) 5:50
- 10. Which of the following is **not** an equivalent ratio of 3 : 4 : 5?
  - (1) 4:5:6

(3) 9:12:15

(2) 6:8:10

- (4) 12:16:20
- 11. The best estimate for 4 561 × 213 is \_\_\_\_\_
  - (1) 800 000

(3) 1 200 000

(2) 1 000 000

(4) 1 500 000

- 12. The cost of 6 similar T-shirts is \$96. Find the cost of 9 such T-shirts.
  - (1) \$54

(3) \$144

(2) \$84

- (4) \$196
- 13. 180 girls were asked to name their favourite movie. The table below represents their responses.

Movie Title	Number
High School Musical	86
Matilda	7
Harry Potter	38
The Cheetah Girls	49

Which 2 movie titles have a difference of 48 in the number of response?

- (1) High School Musical and The Cheetah Girls
- (2) The Cheetah Girls and Harry Potter
- (3) High School Musical and Harry Potter
- (4) Matilda and The Cheetah Girls
- 14. How many right angles are there in this figure?



(1) 1

(3) 3

(2) 2

- (4) 4
- Siti is  $\frac{3}{10}$  of her father's age now. Find the ratio of her father's age to their total age.
  - (1) 3:10

(3) 10:13

- 117
- **(2)** 10:3

(4) 13:10

Name :	(	)	Date:
Class: Primary 5(SY)C/G/SE/P			Time: 2 h 15 min
SINGAPORE CHI	NESE GIRLS	° SCHO	OL
FIRST SEMESTR	AL ASSESSN	AENT 20	907
PRIMA	RY 5 EM 1/2	2	
MAT	HEMATICS	·	
ВО	OKLET B		
33 Questions			
80 Marks			
		* .	
Total Time For Booklets A and B: 2 h	15 mins		
DO NOT OPEN THIS BOOKLET UN	ITIL YOU AI	RE TOL	D TO DO SO.

STAR ZEST HOME TUITION TEL 63845607

1000

40

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

#### SINGAPORE CHINESE GIRLS' SCHOOL FIRST SEMESTRAL ASSESSMENT 2007 MATHEMATICS

Do not write in this column.

Name:	Date :
Class: Primary 5/58/C/G/SE/F	Time : 2 hr 15 min
Booklet B ( 30 marks)	
Questions 16 – 25 carry 1 mark each.	. Questions 26 – 35 carry 2 marks each.
Write your answers in the spaces provunits, give your answers in the units s	
16. 5 400 × 5 = 5000 × 5 +	×5
	Ans:
17. 67 + 30 ÷ 6 – (7 × 10) =	
- -	·
	Ans:
18. Jane had 54 sweets. She ate $\frac{1}{9}$	of them. How many sweets did she
eat?	
	Ans:
19. Mrs Tan took 10 days to sew a Thursday, on which day of the	dress. If she completed it on a week did she start sewing the dress?
	Ans:
· · ·	

20.	4 cubes of edge 5-cm each, are placed together to form the cuboid shown below. What is the volume of this cuboid?	Do not write in this column.
	Ans:cm³	
21.	Sally started to do her homework at 3.30pm. It took her $1\frac{1}{3}$ h to finish her homework. What time did she finish doing her homework?	
	Ans:pm	
22.	In the diagram below, AD, BC and CE are straight¹lines. Find ∠ ADE.	
	A B	
	C D E	
	Ans:°	
121		

23.	There are faces in this solid.	Do not write in this
		Cojnani.
	Ans:	
24.	A piece of wire 72m long is cut into three pieces in the ratio of 3:2:4. What is the length of the shortest piece?	
		a constant of the state of the
	Ans:m	
25.	Rachel and Anne shared 84 stickers in the ratio of 5 : 7. How many stickers did Anne get?	, °
	en de la companya de La companya de la co	
	Ans:	
	1>2	
	·	3

Questions 26 to 35 carry 2 marks each. Show your working clearly in the space below each question and 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.

26. A tank is  $\frac{2}{7}$  full. However it has a capacity of 5460 ml. How much more water can it contain? ( Give your answer in litres)

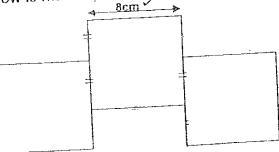
27. A factory has 2854 male workers and half as many female workers. How many workers are there altogether



28. Each side of Square A is 9cm. The area of Rectangle B is twice the area of Square A. What is the area of Rectangle B?



29. The figure below is made up of 3 identical squares. Find its perimeter.



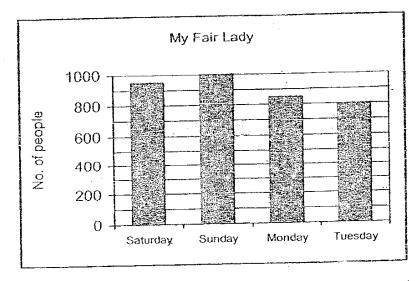
Ans:\_\_\_\_cn

30.	Su Jin bought a bag and a pair of shoes. She paid \$70 for them. If the bag cost 4 times as much as the pair of shoes, how much did she pair of shoes?	he ay
	for the pair of shoes?	

Do not write in this column

Ans:	4		
A113.	w	The second secon	-

The graph below shows the number of people at a play, My Fair Lady, from Saturday to Tuesday. Study the graph and answer question 31.



Find the total number of people who attended the play on Saturday, Monday and Tuesday. Round off the answer to the nearest thousand.

Ans:	



32.	The figure below is not drawn to scale. All lines are straight lines.	Do not write in this column.
	Find ∠ k.	
	165°	
	Ans:°	
33.	The figure below is not drawn to scale. Find the sum of angle a and angle b.	
	a de la constant de l	
	Ans:	
34	The ratio of the number of boys to the number of girls in a Chinese language tuition centre is 8 : 5. If there are 48 boys, how many more boys than girls are there in the Chinese language tuition centre?	
	135 Ans:	-   _

tho	For every 5 apples at a stall, there were 3 oranges. For every 2 pears, there were 4 oranges. Find the ratio of apples to pears to oranges. ( Give your answer in its simplest form )						
			·		Ans:		_
							_
•				W			
-					·		
•							
·							
		, ,					
		•.					
				45 p			
			-				
			-				
						126	
						0	

#### SINGAPORE CHINESE GIRLS' SCHOOL FIRST SEMESTRAL ASSESSMENT 2007 MATHEMATICS

Do not write in this column.

Name Class	: PR 5(SY / C / G / SE / P		Date: Time : 2 h	r 15 min	
	let B (50 marks)				
Write quest	your answers to questions 36 to 48 ion, show your working clearly in the	in the space space provi	provided. Foi ided.	r each	
The n	umber of marks available is shown ion or part question.	in brackets (	) at the end o	of each	
36.	Town A and Town B have a total of people move from Town B to Town many people as Town A. How man first?	י A, Town B ו	will have 3 tin	nes as	
		Ans:		_(3 marks)	
37.	A box of cookies was shared equal their cookies to the rest of the treceived 3 more cookies each. How box at first?	boys. As a re	sult the rest o	t the boys	
	·				
					·
	·	Ans:	128	(3 marks)	6
		en e e	- 0		

A picture measuring 35cm by 28cm is mounted on a rectangular Do not cardboard, leaving a margin of 3cm all around. Find the area of the write in 38. this cardboard that is not covered by the picture. colunn. (3 marks) The figure below is made up of 5 identical squares. If the area of the 39. figure is 180cm², find its perimeter.

2

(3 marks)

40. Draw 3 more unit shapes to tessellate. (3 marks)

Do not write in this column.

41. A dining table and 6 chairs cost \$630. The ratio of the price of the table to the price of the chair is 3 : 1. What is the cost of a dining table and 4 chairs?

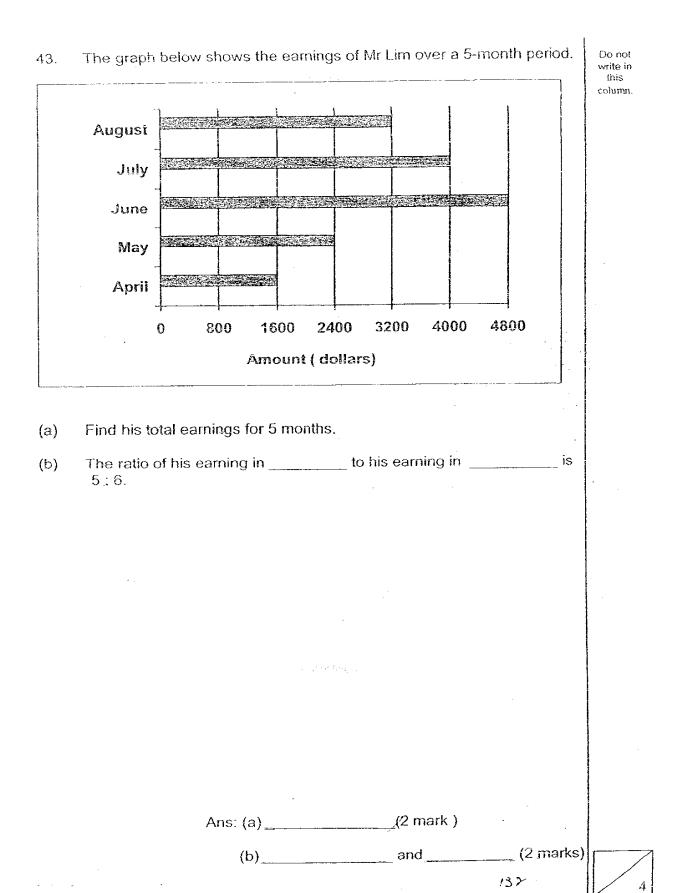
Ans : (3 marks)

6

The number of people participating in a marathon is between 32 and 60. If the competitors get into groups of 6, there will be remainder of 2. If they get into groups of 8, there will be a remainder of 4. How many people are there in the marathon?

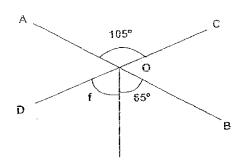
Do not write in this column.

Ans:	(4	marks
Ans:	_, .	

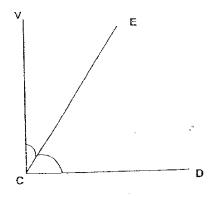


44 (a) AB and CD are straight lines. Find ∠ f.

Do not write in this column.



(b)  $\angle$  VCD is a right angle.  $\angle$  ECD is twice the size of  $\angle$  VCE. Find  $\angle$  VCE.



Ans: (a) \_\_\_\_\_\_(2 marks )

(b) \_\_\_\_\_(2 marks)

. 133

45. Mother made 60 cupcakes. She kept  $\frac{1}{6}$  of them and gave  $\frac{1}{10}$  of the remainder to her friend.

Do not write in this column.

- (a) What fraction of the cupcakes had she left?
- (b) In addition to what was left, she decided to make another 20 cupcakes and sold them at 5 for \$3. How much did she collect from the sale?

Ans:	(a)	(2	marks
	(1.)	13	marke

13	4
----	---



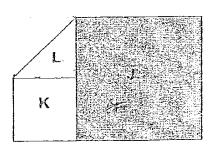
46.  $\frac{3}{10}$  of Jane's beads is equal to  $\frac{1}{2}$  of Tricia's beads. When Jane gave  $\frac{1}{5}$  of her beads to Pat, who has no beads at all, the ratio of Tricia's beads to Pat's beads is 3:1. If the 3 girls have 896 beads altogether, how many beads does Tricia have?

Do not write in this column.

Ans: (5 marks)

47. In the figure, J and K are squares and L is a right-angled triangle. The areas of J and K are 81cm² and 25cm² respectively. What is the area of L?

Do not write in this column.



Ans: \_\_\_\_\_(5 marks)

136

48. Anna gets \$4 less pocket money than Kim each week. They each spend \$16 per week and save the rest. When Kim saves \$63, Anna only saves \$35. How much pocket money does Kim get each week?

Do not write in this column.

137

Ans: \_\_\_\_\_(5 marks)

΄.

CHECK YOUR WORK CAREFULLY

#### **SCGS Primary School**

#### Primary 5 Maths SA1 Exam (2007)



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

- 16. 400
- 18.
- 20. 600
- 23. 150°

- 17. 2
- 19. Tuesday
- 21. 4.50pm
- 25. 49

26. 
$$1 - \frac{2}{7} = \frac{5}{7}$$
$$\frac{5}{7} \times 5460 = 3900 \text{mf}$$
$$= 3.94$$

27. 
$$\frac{2854}{2} = 1427$$
  
1427 + 2854 = 4281 workers

28. 
$$9 \times 9 = 81$$
  
 $81 \times 2 = 162 \text{cm}^2$ 

29. 
$$10 \times 8cm = 80cm$$

31. 
$$950 + 850 + 800 = 260$$
  
  $\approx 3000$ 

$$32 360^{\circ} - 165^{\circ} - 90^{\circ} = 105^{\circ}$$

33. 
$$\mathbf{a} = 360^{\circ} - 60^{\circ} = 300^{\circ}$$
  
 $\mathbf{b} = 300$   
 $\mathbf{a} + \mathbf{b} = 300 \times 2 = 600^{\circ}$ 

34. 
$$8u = 48$$
  
 $1u = 6$   
 $3u = 3 \times 6$   
 $= 18$ 

36. 
$$82900 - 16000 = 66000$$
  
 $66000 \div 4 = 16500$   
At first  $\longrightarrow$   $16500 \times 3 = 49500$   
 $4000 \times 4 = 16000$   
 $49500 + 16000 = 65500$ 

37. 
$$28 - 6 = 22$$
  
 $22 \times 3 = 66$   
 $66 \div 6 = 11$   
 $28 \times 11 = 308$  cookies

Page 2 of 4

```
38. Length of rectangle = 35 + 3 + 3 = 41cm

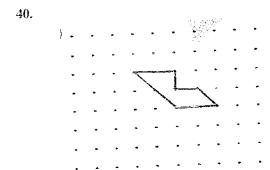
Breadth of rectangle = 34cm

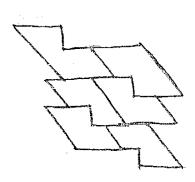
Picture = 35 x 28

= 980cm<sup>2</sup>

Rectangle = 41 x 34

= 1394cm<sup>2</sup>
```





42.					
People	Groups of 6	Groups of 3	check		
40	$40 \div 6 = 6 \text{ r4}$	$40 \div 8 = 5$	х		
45	$45 \div 6 = 7 \text{ r3}$	$45 \div 8 = 5 \text{ r5}$	×		
44 .	$44 \div 6 = 7 \text{ r}2$	$44 \div 5 = 5 \text{ r4}$	✓		

43b. July and June

Page 3 of 4

3 35 78

44a. 
$$105^{\circ} - 65^{\circ} = 40^{\circ}$$
  
44b.  $90 \div 3 = 30$   
 $\angle VCE = 30^{\circ}$ 

45a. 
$$1 - \frac{1}{6} = \frac{5}{6}$$
$$1 - \frac{1}{10} = \frac{9}{10}$$
$$\frac{9}{10} \times \frac{5}{6} = \frac{3}{4}$$

She had  $\frac{3}{4}$  of the cupcakes left.

45b. 
$$\frac{3}{4} \times 60 = 45$$
  
45 + 20 = 65  
65 ÷ 5 = 13  
13 x \$3 = \$39  
She collected \$39 from the sale.

46. 
$$1u = 896 \div 16 = 56$$
  
 $6u = 56 \times 6 = 336$ 

47. 
$$\sqrt{81} = \sqrt{9 \times 9} = 9 \text{cm}$$

$$\sqrt{25} = \sqrt{5 \times 5} = 5 \text{cm}$$

$$9 - 5 = 4 \text{cm}$$

$$\frac{1}{2} \times 4 \times 5 = 10 \text{cm}^2$$
The area of L is  $10 \text{cm}^2$ 

Page 4 of 4