# SINGAPORE CHINESE GIRLS' SCHOOL SECOND SEMESTRAL ASSESSMENT 2017

**PRIMARY 5** 

MATHEMATICS PAPER 1

**BOOKLET A** 

Name:	 			 (	
		100	77.		

| Class : Primary 5 SY/C/G/SE/P

		Marks attained	Max Mark
Paper 1	Booklet A		20
	Booklet B		25
Paper 2			55
Total Marks			100

Parent's	Sign	ature

15 Questions 20 Marks

Total Time for Booklets A and B: 1 h

## **INSTRUCTIONS TO CANDIDATES**

Do not open this booklet until you are told to do so. Follow all instructions carefully.

Answer all questions.

You are not allowed to use a calculator

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## **Booklet A**

Questions 1 to 10 carry 1 mark each. Questions 11 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. (20 marks)

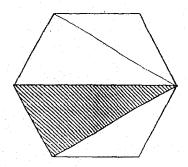
- 1. 300 000 + 40 000 + 600 + 5 =
  - (1) 304 605
  - (2) 304 650
  - (3) 340 605
  - (4) 340 650
- 2. What is the value of the digit 7 in 12.07?
  - (1) 7 tens
  - (2) 7 ones
  - (3) 7 tenths
  - (4) 7 hundredths
- 3. Solve  $\frac{2}{5} \times 6$ .
  - (1)  $\frac{3}{5}$
  - (2)  $\frac{1}{15}$
  - (3)  $2\frac{2}{5}$
  - (4)  $5\frac{1}{5}$

4. Arrange the following in ascending order of length:

450 m, 1.5 km,  $\frac{1}{2}$  m, 300 m.

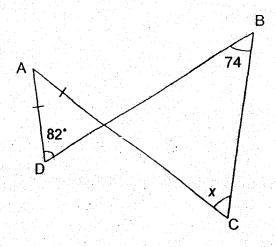
- (1)  $\frac{1}{2}$  m, 30 0m, 450 m, 1.5 km
- (2)  $\frac{1}{2}$  m, 1.5 km, 300 m, 450 m
- (3) 300 m, 450 m,  $\frac{1}{2}$  m, 1.5 km
- (4) 1.5 km,  $\frac{1}{2}$  m, 450 m, 300 m
- 5.  $6 \times 24 + 5 \times 24 + 24 = 24 \times$ 
  - (1) 11
  - (2) 12
  - (3)30
  - (4) 35
- 6. In a class,  $\frac{1}{5}$  of the pupils are girls. What percentage of the class are boys?
  - (1) 20%
  - (2) 25%
  - (3) 75%
  - (4) 80%
- 7. A bag contains some sweets that can be divided equally among 3, 4 or 6 children with no remainder. What is the smallest possible number of sweets in the bag?
  - (1)6
  - (2) 12
  - (3) 18
  - (4) 24

- 8. The ratio of the number of red to blue marbles is 2:3. The ratio of the number of red to green marbles is 1:5. Find the ratio of the number of red to blue to green marbles.
  - (1) 1:3:5
  - (2) 2:3:5
  - (3) 2:3:10
  - (4) 2:3:15
- 9. The figure below shows a regular hexagon. What fraction of the figure is shaded?



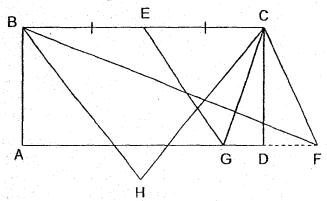
- (1)  $\frac{1}{3}$
- (2)  $\frac{1}{4}$
- (3)  $\frac{1}{5}$
- (4)  $\frac{1}{6}$

10. The figure below, not drawn to scale, is made up of 2 triangles. AC and BD are straight lines. Find ∠x in the figure below.



- (1) 16\*
- (2) 24°
- (3) 74°
- (4) 82°
- 11. Mrs Cheah had 9 \$5-notes. She used \$18 to buy some rice and shared the remaining money among her 3 children and herself. How much did each child get?
  - (1)  $\$(\frac{45-18}{3})$
  - (2)  $\$(\frac{45-18}{4})$
  - (3)  $(45 \frac{18}{3})$
  - (4)  $(45 \frac{18}{4})$

- 12. The average mass of 5 bags of rice is 35 kg. After selling one bag of rice, the average mass of the remaining bags of rice is 32 kg. What is the mass of the bag of rice that was sold?
  - (1) 1.0 kg
  - (2) 33.5 kg
  - (3) 3.0 kg
  - (4) 47.0 kg
- 13. The figure below shows a rectangle ABCD. Which of the following triangles has an area that is half of rectangle ABCD?



- (1) BCF
- (2) BCH
- (3) CFG
- (4) ECG
- 14. A cup of soda costs \$1 while a cup of juice costs \$1.50. Anna spent her money on a few cups of soda and had \$5 left. If she spends her money on the same number of cups of juice instead of soda, she would need another \$7. How many cups of soda did Anna buy?
  - (1) 8
  - (2) 12
  - (3) 24
  - (4) 4

15. The charges of a metered fare taxi are as follows:

The first 1 km or less (Flag down)	Rate \$3.20
Every 500 m thereafter or less	\$0.20

Mrs Low took a taxi from his house to Bedok MRT station, which is 5.2km away. How much was her taxi fare?

- (1) \$5.00
- (2) \$5.10
- (3) \$5.40
- (4) \$5.50

**End of Booklet A** 

### SINGAPORE CHINESE GIRLS' SCHOOL

## **SECOND SEMESTRAL ASSESSMENT 2017**

**PRIMARY 5** 

MATHEMATICS PAPER 1

**BOOKLET B** 

Name	:	1. 1. 1. 1.			_ 4	(	. )

Class: Primary 5 SY/C/G/SE/P

Paper 1	Mark attained	Max Mark
Booklet B		25

15 Questions 25 Marks

Total Time for Booklets A and B: 1 h

# INSTRUCTIONS TO CANDIDATES

Do not open this booklet until you are told to do so. Follow all instructions carefully.

Answer all questions.

You are not allowed to use a calculator

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# **Booklet B**

Questions 16 to 20 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (5 marks)

Do not write i

16. Find the difference between 3.4 and 1.75.

Ans:

17. What fraction is exactly between  $\frac{1}{4}$  and  $\frac{1}{6}$ ?

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

18. When a number is divided by 8, the quotient is 19 with a remainder of 2. What is the number?

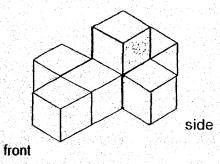
Ans:

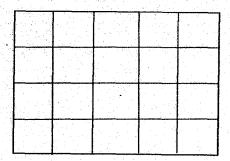
19. John can eat a sixth of a pizza in two minutes. It takes 4 minutes for Billy to eat one quarter of the same pizza. If John and Billy start eating one pizza each, who will finish first?

Do not write this column

Ans:

20. The figure below consists of 7 identical cubes. Draw the top view of the figure below.



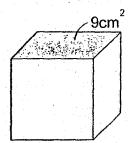


 $\sqrt{2}$ 

Questions 21 to 30 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

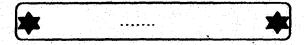
(20 marks)

21. The area of one face of a cube is 9 cm<sup>2</sup>. Find the volume of the cube.



Ans: \_\_\_\_cm

22. Jopal decorated a strip of ribbon with 4 stickers equally spaced with 20cm between them. The 1<sup>st</sup> sticker and the last sticker are shown in the picture below,. What is the distance between two stickers if Jopal decides to add another sticker?

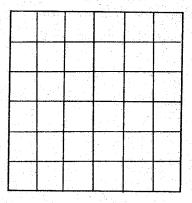


Ans: \_\_\_\_ cm



23. Draw an isosceles triangle in the grid that has an area of 10cm<sup>2</sup>.

Do not write in this column



2

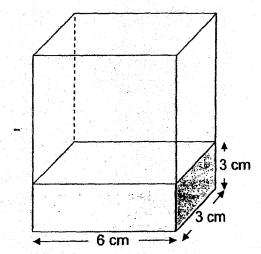
24. Charlie jogged  $\frac{7}{12}$  of a jogging track. He walked the remaining 2 km to complete one round of the track. How long is the jogging track? (Express your answer in km and m)

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

/4

Do not write in this column

25. The tank below is  $\frac{1}{4}$  filled with water. How much more water is needed to fill the tank completely?



Ans: \_\_\_\_ cm

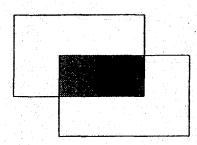
26. 5 years ago, Sally's age is  $\frac{1}{2}$  of Ming Li's age. Now, she is  $\frac{3}{5}$  as old as her. How old is Sally now?

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



27. The figure below is made up of 2 identical rectangles overlapping with each other. The ratio of the shaded area to the area of a rectangle is 2:5. What percentage of the figure is unshaded?

Do not write in this column



Dorothy has 5 l of Milo and wants to pour them into as many300 ml-cups as possible. How much Milo would she have left after that?

Ans:

ml

d	Vilma is thinking of a 4-digit number smaller than 9000. The 4 <sup>th</sup> digit is ouble the 2 <sup>nd</sup> digit. The sum of the 2 <sup>nd</sup> digit and 4 <sup>th</sup> digit gives 3 <sup>rd</sup> digit.	Do not write this column
1	here are no repeated digits in the number and the sum of all the digits	
	s 15. What is the number Wilma's thinking about?	
	Ans:	
0		
sol	trina bought an equal number of sweets and chocolates. The sweets were ld at 3 for \$2. The chocolates were sold at 4 for \$3. He paid \$5 more for the ocolates than sweets. How many chocolates did she buy?	
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End of Booklet B

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# SINGAPORE CHINESE GIRLS' SCHOOL SECOND SEMESTRAL ASSESSMENT 2017

### **PRIMARY 5**

### **MATHEMATICS**

## PAPER 2

Name	:			- (	. )
		 	 	•	

Class: Primary 5 SY/C/G/SE/P

	Mark	Max Mark		
Paper 2		55		

Parent's Signature								
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17 Questions 55 Marks

Total Time for Paper 2: 1 h 30 min

# **INSTRUCTIONS TO CANDIDATES**

Do not open this booklet until you are told to do so. Follow all instructions carefully. Answer all questions.

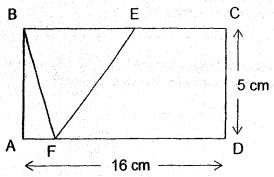
	방송불발 이 노인들 같이 그 만든다는 이 그는 사이를 하는데 하는데 되는 것 같은 말로 다	
15. 10. 24일 시스템 보고 있다. 경기를 받는 것 같습니다. 15. 10. 12. 12. 13. 14. 15. 16. 16. 16. 17. 17. 17. 17. 17. 17. 17. 17. 17. 17	한사물론 여자들이 되는 사람들은 사람들이 되는 것이 되었다. 그 살아 되었다.	
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	살고 싶다. 이 사회 그 사람들은 하기 되었는데 하는데 하는데 그 사람들이 되었다.	
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	용 등 불의 위하다 보고 하는 것으로 하는 것이다. 12 발생 전 10 분들은 사람들은 사람들이 보고 있는 것을 받는 것을 하는 것이다. 12 발생 전 10 번째는 기계를 가장하는 것이다. 이 기계를 하는 것은 것은 것은 것은 것이다.	
	#요한 발표하다 보는 이 사회의 발표 명이 되었다. 하는 사회 # # # # # # # # # # # # # # # # # #	
	사고 있었다. 그 차는 그를 사고 있는 사람이 되는 사람들이 되는 사람들이 되었다. 그는 사람들이 되는 사람들이 가장 하는 것이다. 그는 사람들이 가장 사람들이 되는 사람들이 되었다.	
	2. 이 아니는 사람이 나는 사람들은 그는 사람이 되었다. 그는 사람들은 사람들은 사람들이 가지 않는 것이다.	
	. 19. 19 발생에 하는 것으로 가고 있다. 그는 학생 그는 가장 있는 것으로 가는 것으로 가는 것이다. 한테 등 전 경우, 19 발생 등 사용 기를 가는 것으로 가는 것으로 가장 하는 것을 가장 하는 것이 되었다.	
	. 1. 그런 물론에 가는 것으로 가고 있다. 그는 현재 그는 가장 보고 있는 것으로 가는 것 같아. 한다. 가는 것은 단점과 그는 말을 보고 있는 것이 없었다. - 현재는 전쟁을 가장하는 것은 것을 하는 것으로 가장 보고 있는 것이 되었다.	
	. 그렇게 되었다. 하는 것으로 하고 있는 것으로 하는 것으로 가는 것으로 가는 것으로 가는 것으로 하는 것 하는 것으로 발표하는 것으로 하는 것으로 되었다면 하는 것으로 되었다면 하는 것으로 하는 것으	

ach	stions 1 to 5 carry 2 marks each. Show your working clearly in the space below a question and write your answers in the space provided. For questions which ire units, give your answers in the units stated.  (10 marks)					
• 20.	Daniel has a cousin who is 12 years older than him. His cousin is currently 4 times his age. How old will Daniel be in 5 years' time?					
	An <del>s.</del> yrs					
	80% of the pupils come to school by bus. 51 of the pupils come to school by car. The remaining 5% of the pupils walk to school. How many pupils walk to school?					

Ans:

3. The figure below, not drawn to scale, is made up of a rectangle ABCD and a triangle BEF. The ratio of the length BC to BE is 2:1. Find the area of triangle BEF.

Do not write in this column



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

4. Mrs Tay had some cloth and decided to make a bag and some pouches. She used  $\frac{3}{5}$ m of the cloth to make some pouches and  $\frac{2}{3}$  of the remaining cloth on the bag. How much cloth did she have if she has 2 m of cloth left?

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

5. A piece of cloth measuring 128 cm by 50 cm is used to cut into similar rectangles with dimension 12 cm by 8 cm. What is the maximum number of rectangles that can be cut from this cloth?

50 cm

Ans:

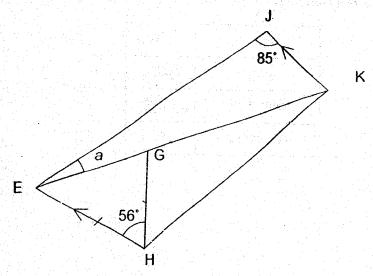
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For questions 6 to 17	7, show your working clearly in the space below each question
and write your answe	ers in the spaces provided. The number of marks awarded is
shown in brackets [	] at the end of each question or part-question. (50 marks)

6. Jenna and Sandy had some stickers in the ratio of 3 : 5. After Sandy gave away 42 stickers, the ratio became 2 : 1. How many stickers did Jenna have?

Ans: [3]

7. The diagram below 3 triangles, not drawn to scale. EGK is a straight line. Find ∠a.



CORE Do not write in this column

8. Rajah accidentally spilled some drink over his result slip. How much did he score for Science?

English	87
Math	●6
Science	. 7
Average	85 .

Ar	ıs:	<u>Ų.</u>			[3]

9. Joash saves \$0.80 every day. 2 weeks later, Mary started saving \$1.50 each day. How many days would Mary take for her to save the same amount of money as Joash?

Ans: \_\_\_\_\_[3]

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Ans: [3]

11. Cailin had 1200 pens and files in her store. After she sold  $\frac{1}{2}$  of her pens and

Do not write in this column

 $\frac{1}{4}$  of her files, she had an equal number of pens and files left. How many pens did she have at first?

Ans: [4

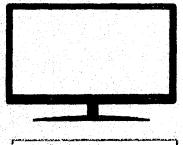
4

12. A shop selling electronics had a 15% discount storewide.

(a) How much did the television cost after discount?

(b) Mr Lim paid \$4437 for a radio set and a television. What was the original price of the radio set?

**Television** 



Original price: \$3240



Ans: (a) [2]

(b) \_\_\_\_\_[2]

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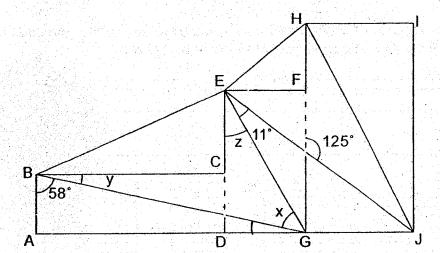
Mr Lee bought the same number of sweets and chocolates. He gave each of 13. his students 4 sweets and had 14 sweets left. He also gave each student 6 chocolates but realised that he was short of 2. How many chocolates and sweets did Mr Lee have altogether?

Do not write i

14. The figure below, not drawn to scale, consists of 3 rectangles and 2 lines BE and EH.

Do not write in this column

- (a) Find ∠x.(b) Find the sum of ∠x, y and z.

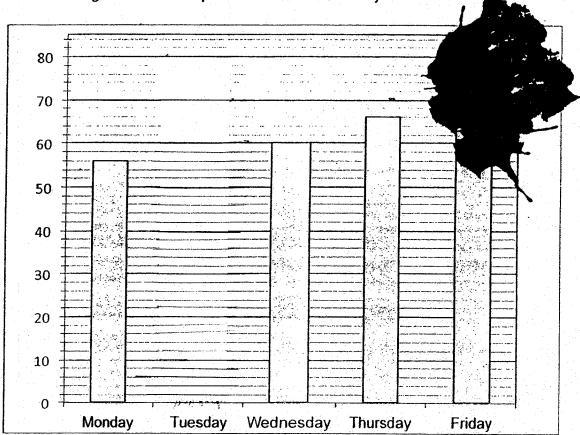


Ans: (a)\_\_ [3]

(b)\_\_\_\_ [1]

- 15. The bar graph below shows the number of cupcakes Wally's Bakery sold from Monday to Friday. There was a coffee stain on the bar graph.
  - (a) The number of cupcakes sold on Wednesday is  $\frac{3}{4}$  of the number of cupcakes sold on Tuesday. Complete the bar graph for Tuesday. [2 marks]

(b) Find the number of cupcakes Wally's Bakery sold on Friday given that the average number of cupcakes sold in these 5 days is 67.



Ans: (b) \_\_\_\_\_[2]

- 16. Pauline had some money. She spent \$29.90 and  $\frac{1}{5}$  of her remaining money on some books. She then spent  $\frac{3}{7}$  of what she had left on her lunch. In the end, she realised that she had  $\frac{1}{3}$  of her money left.
  - (a) How much money did Pauline have in the end?
  - (b) How many books did she buy if each book costs \$5.75?

Ans:	(a)				[3]
	` ′	100	1 1	_	

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this column

Do not write this column

17. In Country ABC, the government imposes an income tax on people's yearly salary as follows:

Income less than 30, 000	Tax
First \$15, 000	\$500
Remaining amount up to \$15,000	5% of the amount

Income more than 30, 000	Tax
First \$20, 000	\$1,000
Remaining amount up to \$10,000	7% of the amount

- (a) Mr Wong earned \$26,770 last year. How much income tax must be pay?
- (b) Mr Low had to pay \$1945 of income tax. How much did Mr Low earn?

Ans: (	a)	 		 [2]
	L. N			101

EXAM PAPER 2017 (P5)

SCHOOL: SCGS

SUBJECT: MATHEMATICS

TERM: SA2

ORDER CALL:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	O9	010
3	4	3	1	2	4	2	3	1	7
Q11		Q13	Q14						
2	4	1	3	1					

16)1.65

17)5/24

18)154

19)John

20)

21)27cm3

22)15cm

23)

24)4km 800m

25)162cm3

26)15 years old

27)75%

28)299ml

29)3264

30)60

