SINGAPORE CHINESE GIRLS' SCHOOL FIRST SEMESTRAL ASSESSMENT 2015

PRIMARY 5

MATHEMATICS PAPER 1

BOOKLET A

Name :	()
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Class: Primary 5

		Marks attained	Max Mark
Paper 1	Booklet A		20
	Booklet B		20
Paper 2			60
Total Marks			100

Parent's	Signature

15 Questions 20 Marks

Total Time for Booklets A and B: 50 min

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

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. Which of the following numbers has the digit '3' in the hundredths place?
 - (1) 203.203
 - (2) 234.234
 - (3) 302.302
 - (4) 320.023
- 2. How many $\frac{1}{6}$ s are there in $1\frac{2}{3}$?
 - (1) 5
 - (2) 9
 - (3) 10
 - (4) 4
- 3. Which of the following is 3000 when rounded off to the nearest hundred?
 - (1) 2290.9
 - (2) 2990.9
 - (3) 3090.9
 - (4) 3990.9
- 4. $\frac{13}{20}$ has the same value as _____.
 - (1) 0.13
 - (2) 0.65
 - (3) 1.3
 - (4) 6.5

- 5. $\frac{4}{5} \div 12 =$
 - (1) $\frac{4}{5} \div \frac{1}{12}$
 - (2) $\frac{4}{5} \times \frac{1}{12}$
 - (3) $12 + \frac{5}{4}$
 - (4) $12 \times \frac{5}{4}$
- 6. Which of the following is the same as 4kg 90g?
 - (1) 490g
 - (2) 4009g
 - (3) 4090g
 - (4) 4900g
- 7. Find the value of $10-4\times6+(4-1)$.
 - (1) 8
 - (2) 2
 - (3) 3
 - (4) 12
- 8. A number when divided by 8 has a quotient of 4 and a remainder of 3. What is the number?
 - (1) 20
 - (2) 28
 - (3) 29
 - (4) 35

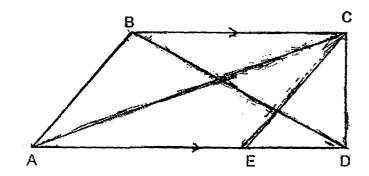
- 9. Vivien had 2kg of flour. She used $\frac{1}{4}$ of it to bake a cake and $\frac{1}{4}$ kg to make some cookies. How much flour have she used altogether?
 - (1) $\frac{1}{2}$ kg
 - (2) $\frac{3}{4}$ kg
 - (3) 1kg
 - (4) $1\frac{1}{4}$ kg
- 10. The number of stamps Jamie had was five times the number of stamps Katherine had. Jamie gave Katherine some stamps such that they have equal number of stamps. What is the ratio of the number of stamps Jamie gave to the total number of stamps?
 - (1) 1:3
 - (2) 2:5
 - (3) 3:6
 - (4) 4:6
- 11. There are 9 coins in Dai Ling's piggy bank. There are only 20-cent coins and 50-cent coins in the piggy bank. Which of the following could be the total amount of money?
 - (1) \$1.80
 - (2) \$2.40
 - (3) \$2.80
 - (4) \$3.20

12. Study the following pattern.

SCGSPSCGSPSCGSP.....

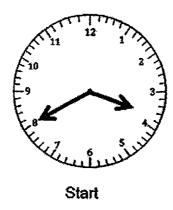
Which is the 57th alphabet in the sequence?

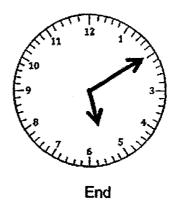
- (1) C
- (2) G
- (3) P
- (4) S
- 13. The figure below, not drawn to scale, consists of a pair of parallel lines, BC and AD. Which triangle below has the same area as Triangle ACE?



- (1) ABC
- (2) ACD
- (3) BCD
- (4) CDE

14. The clocks below show the usual start and end time of James' tuition class. On Monday, James arrived 15 minutes late but left on time. What was the duration of that lesson?





- (1) 15 min
- (2) 45 min
- (3) 1 hr 15 min
- (4) 1 hr 45 min
- 15. The ratio of the number of Alice's sweets to the number of Betty's sweets was 3:2. After Betty bought another 5 sweets, she has 2 more sweets than Alice. How many sweets did Alice have?
 - (1) 5
 - (2) 8
 - (3) 3
 - (4) 9

SINGAPORE CHINESE GIRLS' SCHOOL FIRST SEMESTRAL ASSESSMENT 2015

PRIMARY 5

MATHEMATICS PAPER 1

BOOKLET B

Name	:()
Class	: Primary 5	

Paper 1	Mark attained	Max Mark
Booklet B		20
<u> </u>		

15 Questions 20 Marks

Total Time for Booklets A and B: 50 min

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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Name: (

Questions 16 to 25 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10marks)

16. There are $\frac{2}{3}$ as many boys as girls. What fraction of the total number of the girls?

Ans: _ --

Class: P5

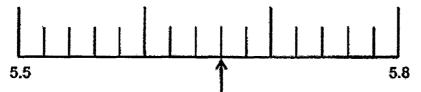
17. What is the ratio of 8 km to 500 m?

Ans:

18. Express $\frac{3}{7}$ as a decimal corrected to 2 decimal places.

Ans: _____

19. What is reading indicated by the arrow on the number line? Give your answer in decimals.



Ans:

20. Which of the following fraction is the greatest?

Do not write in this column

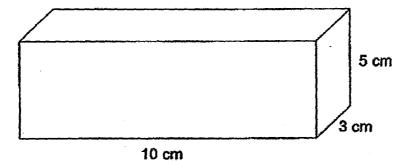
 $\frac{1}{3}$, $\frac{2}{5}$, $\frac{5}{9}$, $\frac{6}{13}$

Ans:

21. Find the value of 0.26 x 4.

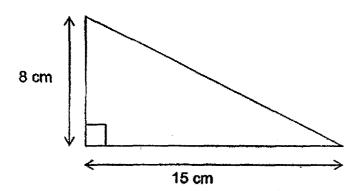
Ans: _____

22. Find the volume of the cuboid below.



Ans: _____cm

23. Find the area of the triangle below.



	2
Ans:	cm ²

24. Find the value of $1\frac{2}{3} + \frac{3}{5}$.

Ans: _____

25. What is the missing number in the box below?

$$32\times8=\boxed{\times8+5\times8}$$

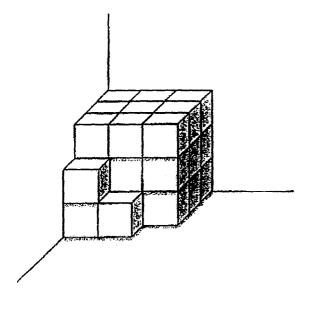
Ans: _____

Questions 26 to 30 carry 2 marks each. Show your working clearly in the space for each question and write your answers in the spaces provided.

For questions which require units, give your answers in the units stated. (10 marks)

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26. The figure below is made up of identical 2-cm cubes. What is the volume of the figure below?



Ans: ____cm³

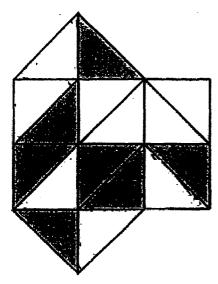
27. The sum of two numbers is 102. The difference between the two numbers is 32. Find the larger number.

Ans: _____

28. Abigail is thrice as old as her daughter and 3 years younger than her husband. How old is her daughter in 3 years' time if her husband is 30 years old now?

Ans: _____

- 29. How many more triangles must be shaded such that $\frac{3}{4}$ of the figure is shaded?



30. $\frac{3}{4}$ of David's money is equal to $\frac{4}{7}$ of Calvin's money. Calvin has \$30 more than David. How much money does David have?

SINGAPORE CHINESE GIRLS' SCHOOL FIRST SEMESTRAL ASSESSMENT 2015

PRIMARY 5

MATHEMATICS

PAPER 2

Name	•	())
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Class: Primary 5

	Mark	Max Mark
Paper 2		60

Parent's	Signature

18 Questions 60 Marks

Total Time For Paper 2: 1 h 40 min

INSTRUCTIONS TO CANDIDATES

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

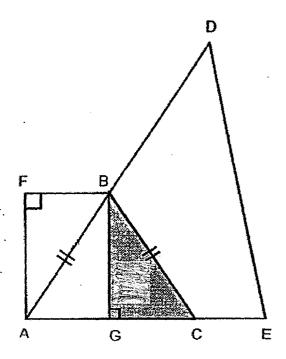
Answer all questions.

Do not write in this column

Ans: \$

4. The figure below, not drawn to scale, is made up of rectangle AFBG, triangle ABC and triangle ADE. The lines AG and GC have the same length. Given that the ratio of the area of triangle ABC to the area of triangle ADE is 3:7, what fraction of the figure is shaded?

Do not write this column



5. A shelf can hold 32 magazines or 44 encyclopedias. There are 10 magazines and 22 encyclopedias placed on the shelf. How many more magazines can be placed on the shelf for it to be fully occupied?

Ans:

For questions 6 to 18, show your working clearly in the space below each question and write your answers in the spaces provided. The number of marks awarded is shown in brackets [] at the end of each question or part-question.

Do not write in this column

(50 marks)

6. Wendy is twice as old as Vivien was $\frac{1}{4}$ as old as Wendy 10 years ago. How old is Wendy in 5 years' time?

Ans: _____[3]

7. There are 50 3-legged chairs and 4-legged chairs in the hall. There are 178 legs in total. How many 3 legged-chairs are there?

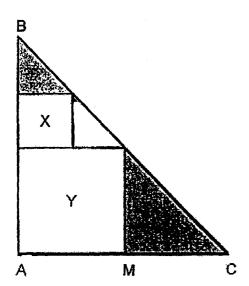
s: ____

/8

[3]

8. In the figure below, not drawn to scale, length AB is equal to length AC. M is the midpoint of AC. The length of Square Y is twice the length of Square X. Given that the area of Square X is 64 cm², find the area of the shaded figure.

Oc not write in this column



Ans:	[3

9. A 9-cm metal cube is melted and formed into 27 cubes. What is the length of each side of the new cubes?

Ans: [3]

10. Study the pattern below.

Do not write Ihis column

Number of dots	• •	••	••	• •
Figure Number				

- a) How many dots are there in Figure 10? (1 mark)b) Which figure is made up of 58 dots? (2 marks)

Ans: a) _____[1]

[2]

11. Miss Phua saved some 20-cent coins and 50-cent coins in the ratio of 3 : 4 in a box. She then decided to replace $\frac{1}{3}$ of the 20-cent coins with the same number of 50-cent coins. The value of the amount she saved increased by \$4.50. How much money was there in the box at first?

Do not write this column

Ans:		[4]	Ì

12. Wendy had ¹/₂ as much money as Xue Ting. After Wendy spent \$30 while Xue Ting received \$30, Xue Ting had seven times as much as Wendy. How much money did Wendy have at first?

Ans: _____[4]

Do not write in this column

13. Jonathan and Kenneth shared a sum of money in the ratio of 3: 4. After Jonathan spent ¹/₆ of his money and Kenneth spent \$15 of his money, both Jonathan and Kenneth had the same amount of money left. How much money did they have at first?

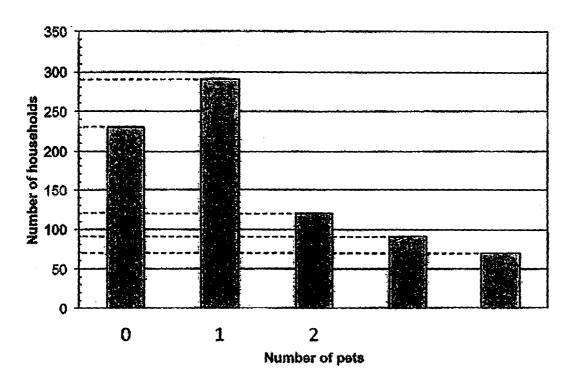
Ans: _____[4]

14. Peter, James and Samuel shared some stamps. The number of stamps Peter had was $\frac{1}{3}$ of the number of stamps Samuel had. Samuel had twice as many stamps as James. Samuel had 30 more stamps than James. How many stamps did they have altogether?

Ans: [4]

15. The graph below shows the number of pets each household has among 800 households.

Do not write this column



- a) Express the number of households with 2 pets as a fraction of the total number of households.
- b) Find the total number of pets among all the households.

Ans: a) [2]

b) ____[2]

Do not write this column

16. At the supermarket, Elycia spent $\frac{1}{5}$ and an additional \$2 on potato chips. She used $\frac{2}{3}$ of the remaining money to buy some drinks and received a change of \$8. Given that she had \$18 left, how much did she have at first?

Ans: _____[5]

Do not write this column

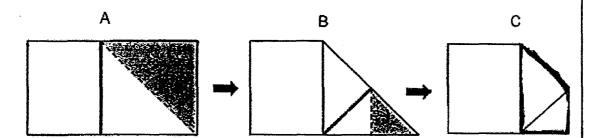
17. There is an equal number of girls in Primary 5A and in Primary 5B. $\frac{3}{4}$ of the pupils in 5A are girls while $\frac{1}{5}$ of the pupils in 5B are boys. Given that there is a total of 14 boys in both classes, how many more girls than boys are there altogether?

Ans: _____[5]

5

Do not write this column

18. The figure below shows a piece of paper folded twice along the dotted lines shown below. Given that the breadth of the paper is $\frac{4}{7}$ of the length of the paper and the perimeter of the paper is 110cm, find the ratio of the area of the unfolded paper in the beginning to the area of the folded paper in the end. Give your answer in the simplest form.



Ans: ____[5]

Answer Key

EXAM PAPER 2015

SCHOOL: SCGS

SUBJECT: P5 MATHEMATICS

TERM: SA1

ORDER CALL: MR GAN @ 92998971 92475053 86065443

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

16)3/5

17)16:1

18)0.43

19)5.66

20)5/9

21)1.04

22)150 cm₃

23)60cm₂

24)24/15

25)27

26)volume of 1 cube \rightarrow 2 x 2 x 2 =8

28)30 - 3 = 27

9 + 10 + 11 = 30

 $27 \div 3 = 9$

 $30 \times 8 = 240 \text{cm}_3$

9 + 3 = 12

27)102 - 32 = 70

29)1/4---- triangles

 $70 \div 2 = 35$

 $\frac{3}{4}$ ----4x3 = 12 triangles

35 + 32 = 67

12 - 7 = 5

30)\$96

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Questions 1 to 5 carry 2 marks each. Show your working clearly in the space below. (10 marks each question and write your answers in the space provided. For questions which requise that is give, your answers in the units stated.

Mrs. Chiekignade 976 pootes. She packs them into packets of 30 and gives the rest every to the religible.

ASK

Jamie and Chaffene,had \$22.60 altogétier, Jamie has 3 tinges as much money as Charlens, Haw much money did Jamie have? Ņ

12 1 48.20

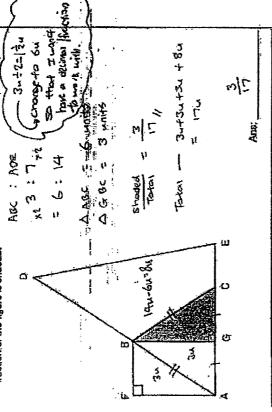
An exange and a pear cost \$1.15. An prange and an apple cost \$1.35. Peter bought 4 pranges, 2 apples and 1 bear for \$4.30. How much does a pear cost?

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The figure below, not drawn to scale, is made up of rectangle AFBG, triangle ABC, and triangle ADE, The lines AG and GC have the same length, Shver that the ratio of the area of triangle ADE is a, 7, what rection of the figure is shaded? 4



A shelf can hold 32 magazines or 44 enzyclopedias. There are 19 magazines and 22 encyclopedias placed on the shelf. How many more magazines can be placed on the shelf for it to be fully occupied? រស់

Santagam. o[†] 3,6 26= 10 +16+ 32-

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in the figure below, not drawn to scale, length AB is equal to length AC. M is the midpoint of AC. The length of Square Y is twice the length of Square X. Given that the area of Square X is 64 tan, find the area of Square X is 64 tan, find the area of the shaded figure. N -12 X Z φ × β Asis: Araist shooped 1603 1) 4 11 to X 50 7.49 Q Area st 2 芝 27 هر 2 Do rect write in this potume Constant Offerna V There are 50 3-legged chairs and 4-legged chairs in the ball. There are 178 legs In total, How many's legged-chairs are More? (50 marks) Wench is twice as old as Wiven. Wiven was $\frac{1}{4}$ as old as Wench 10 years ago. For questions 5:to 18, show your working clearly in the space below each question and write your enswers in the spaces provided, The number of marks awarded is shown in brackets () at the end of spot question or particulation. 4-leaded chains 8 windy you - 6x5 = 30 wash syes time - 30+5 Ans W. V Withous in ir 136 4:11 3 2401 # m ų, 34-1 14 B ZL 53 10 years on # 120-129 7, 10 How old is Wendy in Byears' time? ร์ W. V. Lossen PARKETS.

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of 50 cent coins. The visite of the amount she saved increased by \$4.50. How much money was there in the box at final?

In 135t, 1 so-cent con is replaced with 1 so-cent rains

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Study the pattern	
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Number of dots	90 00 mg		**************************************	*****
Figure	:	R	123	4

Which (gure is made up of 58 dots) (2 mark)

Tarbel did not conniga 12. Wendy had 2 as much money as Xue Ting. Mer Wendy spent \$30 while Xue Ting tocatived \$30, Xia Ting find egiven limes ab much as Webdy, How much money did Wandy have at that? No. of 20cent contamily 3 of 4-5 this of 50 cest cons ____ is to the 550 550 49+\$300 \$34° Valve of 25 and land 45 x30, 20 = 59 4 Total value

X Total W: X Takel 2 3: 78 21 24	84.32 = 54 212-1645 Su	54 12 430 14 14 50 14 50 11 456	way as host, 8 u = 8 x 46
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Estual cancept Ishaitan and Kennelit had the same amount of money left. How much money tild they have at their also has Swith left. we con infer that thenth ジャン いべす BUSIN A DI # 45 32 11 416 京大年, 京山 (3:4) (6:8) 5190 S, S

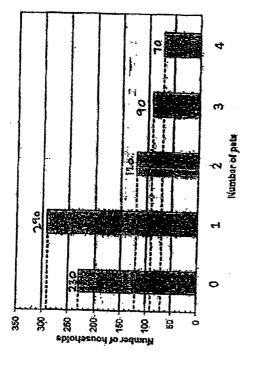
stamps as James. Santuel had 30 more stamps than James. How many stamps odd thay have attocather? 14. Peter, Lamerand Sanuel chared some stamps. The number of staintes Peter had was a of the number of stamps Samuel had, Samuel had beloans many Repeated Learning B

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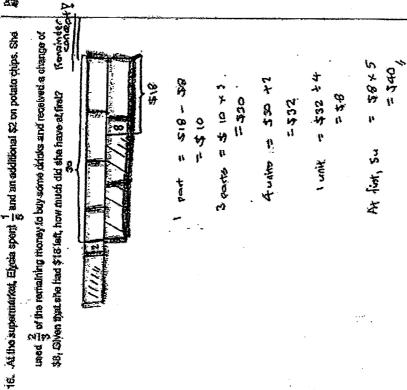


Boyless the number of households with 2 bets as a fraction of the total number of households.

230 + 290 + 120 + 90 + 10 b) Find the total number of peta unnung all the households. Total

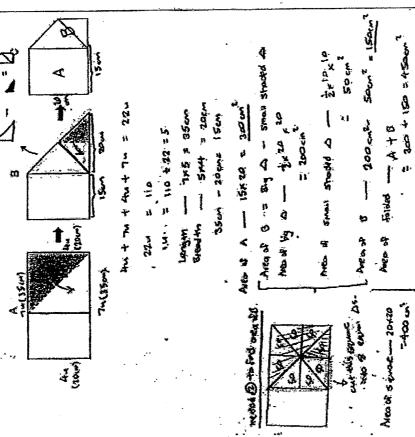
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(שלסר) ד (נשלפה) ד נונסדט ד נושסבים) (מ 240 + 240 + 270 + 280. 9001 Arres: B.) 2



440 Ans:

13. The figure below shows a piece of paper folded twice along the solled lines shown below. Given that the breadth of the paper is: \$\frac{1}{2}\$ of the length of the paper and the perimeter of the paper is 110cm, find the ratio of the area of the unfolded paper in the beginning to the area of the folded paper in the end. Give sport answer in the straplest form.



Acolds 18 — 3 committee moderate — 35 cm. x 20 cm = 700 cm.

So x3 = 150 cm.

Too i 450

The interior paper.

Check your work thoroughly.

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