

ME / KC / CC / LYL

FIRST SEMESTRAL ASSESSMENT 2017

PRIMARY 4

MATHEMATICS

BOOKLET A

Name : _____ ()

Class : Primary 4 SY/C/G/SE/P

Parent's Signature

There are 15 questions in this booklet.
SECTION A

Total Time : 1 h 45 min (Booklet A and B)

INSTRUCTIONS TO CANDIDATES

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

CHECK THAT ALL MCQ ANSWERS ARE SHADED CORRECTLY IN THE OAS

This question paper consists of 6 printed pages. (Inclusive of cover page)

Section A: (30 marks)

Questions 1 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.

1. In 68 915, the value of the digit 8 is _____.

- (1) 8 x 1
- (2) 8 x 10
- (3) 8 x 100
- (4) 8 x 1000

2. $60\,006 + 4000 + 300$ is equal to _____.

- (1) 30 406
- (2) 34 606
- (3) 64 306
- (4) 67 006

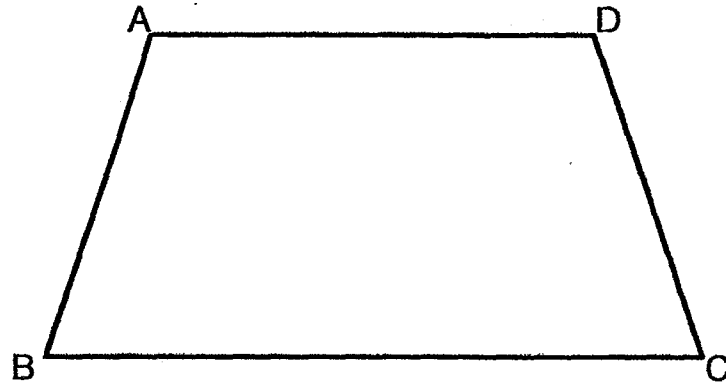
3. What is 90 more than 99 910?

- (1) 10 000
- (2) 99 100
- (3) 99 990
- (4) 100 000

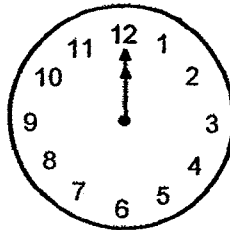
4. Round off 88 244 to the nearest hundred.

- (1) 88 200
- (2) 88 240
- (3) 88 300
- (4) 89 200

5. How many angles inside the figure shown below are **smaller** than a right angle?



- (1) 1
 - (2) 2
 - (3) 3
 - (4) 4
6. It is 12 noon. How many right angle(s) does the minute hand make when it is 12.45p.m.?



- (1) 1
 - (2) 2
 - (3) 3
 - (4) 4
7. How many quarters are there in $9\frac{1}{2}$?

- (1) 18
- (2) 19
- (3) 37
- (4) 38

8. Add $\frac{1}{12} + \frac{1}{3} + \frac{3}{4}$.

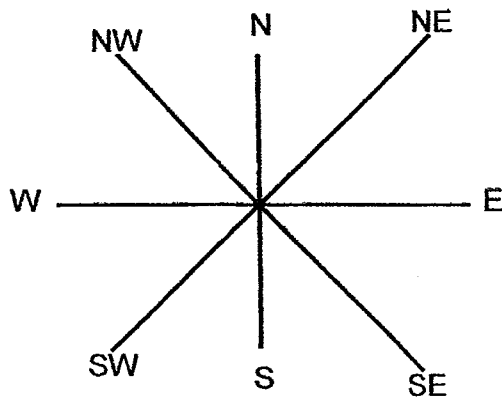
(1) $\frac{5}{12}$

(2) $\frac{5}{19}$

(3) $1\frac{2}{12}$

(4) $1\frac{4}{12}$

9. Mary is facing South-East. She turns 270° anticlockwise followed by a 90° clockwise turn. Which direction is she facing now?



- (1) North-East
- (2) North-West
- (3) South-East
- (4) South-West

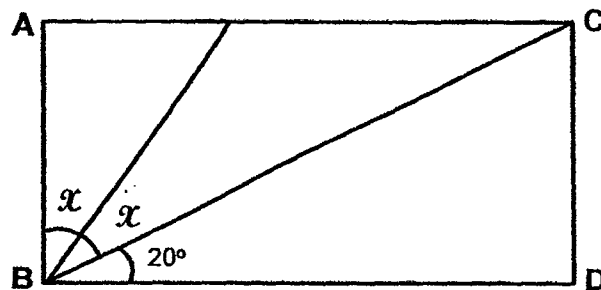
10. Tom wanted to buy 10 toy soldiers but he was short of \$18. Each toy soldier costs \$20. How much money does Tom have?

- (1) \$180
- (2) \$182
- (3) \$200
- (4) \$218

11. Mrs Tan has a piece of rope measuring 3 m long. She used 85 cm. What is the length of the rope left?

- (1) 82 cm
- (2) 88 cm
- (3) 215 cm
- (4) 225 cm

12. ABCD is a rectangle. Find $\angle x$.

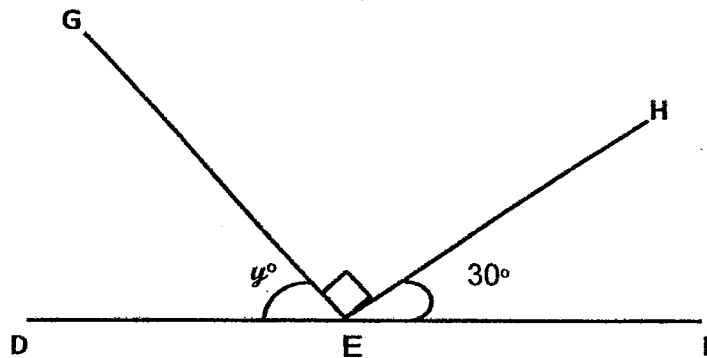


- (1) 35°
- (2) 70°
- (3) 45°
- (4) 80°

13. Which of the following statements about a rectangle is **not true**?

- (1) It is a 4-sided figure.
- (2) It has 4 right angles.
- (3) Its opposite sides are parallel.
- (4) Its sides are of equal lengths.

14. DEF is a straight line. Find $\angle y$.



- (1) 60°
 - (2) 90°
 - (3) 120°
 - (4) 150°
15. The sum of two numbers is 896. One of them is 94 less than the other number. What is the smaller number?

- (1) 401
- (2) 448
- (3) 495
- (4) 802

ME / KC / CC / LYL

SINGAPORE CHINESE GIRLS' SCHOOL

FIRST SEMESTRAL ASSESSMENT 2017

PRIMARY 4

MATHEMATICS

BOOKLET B

Name : _____ ()

Class : Primary 4 SY/C/G/SE/P

		Marks attained	Max Mark	Parent's Signature
Booklet A	Section A		30	
Booklet B	Section B		40	
	Section C		30	
Total			100	

There are 28 questions in this booklet.
SECTION B and C

Total Time : 1 h 45 min (Booklet A and B)

INSTRUCTIONS TO CANDIDATES

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ANSWER ALL QUESTIONS.

This question paper consists of 16 printed pages. (Inclusive of cover page)

Section B: (40 marks)

Questions 16 to 35 carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

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in this column

16. Write 19 948 in words.

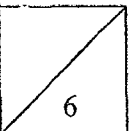
17. Find the sum of the first 3 multiples of 5.

Ans : _____

18. Look at the number pattern below and fill in the missing number.

3566 , 4066 , 4566 , ? , 5566 , 6066

Ans : _____



19. Divide 8209 by 9.

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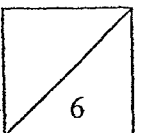
Ans : _____

20. Multiply 457 by 42.

Ans : _____

21. $4 - \frac{3}{7} =$

Ans : _____

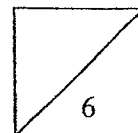


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Ans: _____, _____, _____, _____
greatest smallest

- Ans :** _____

-

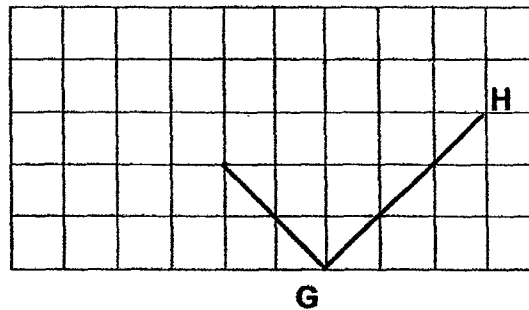


25. Draw $\angle EFG = 110^\circ$. Label it.

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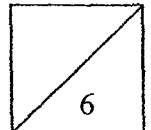


26. Draw and complete the rectangle GHIJ in the grid below. Label the rectangle.



27. Candy has some muffins. She kept 12 for herself and gave 5 to each of her 4 friends. How many muffins does she have at first?

Ans : _____



28. Annie has $\frac{3}{10}$ kg of flour and Bala has $\frac{1}{2}$ kg of flour. How much more flour does Bala have than Annie? (Give your answer in its simplest form.)

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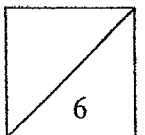
Ans : _____ kg

29. Alisha read 300 pages of a book on Monday. She read 184 pages each day for the rest of the week. How many pages did she read for the week?

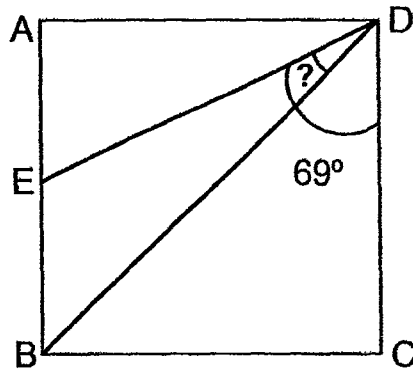
Ans : _____

30. Doris has 9 times as many apples as Lily. If Doris has 128 **more** apples than Lily, how many apples do they have altogether?

Ans : _____



31. The figure below is not drawn to scale. ABCD is a square.
 $\angle CDE = 69^\circ$. Find the value of $\angle BDE$.

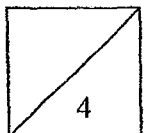


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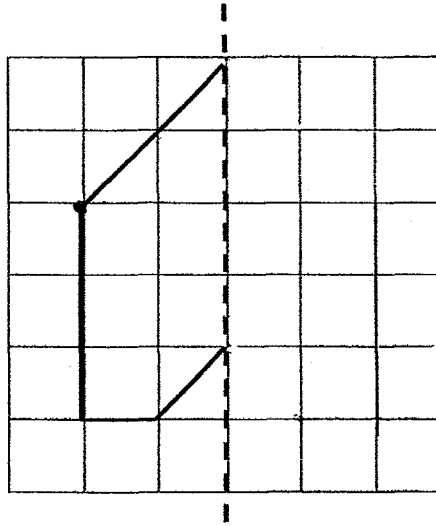
Ans : _____°

32. Siti had 525 cm of ribbon. She used $\frac{1}{5}$ of it to make 7 hair bands.
 How much ribbon did she use for 1 hairband?

Ans : _____ cm



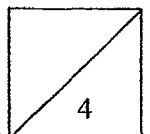
33. Complete the figure below using the dotted line as the line of symmetry.



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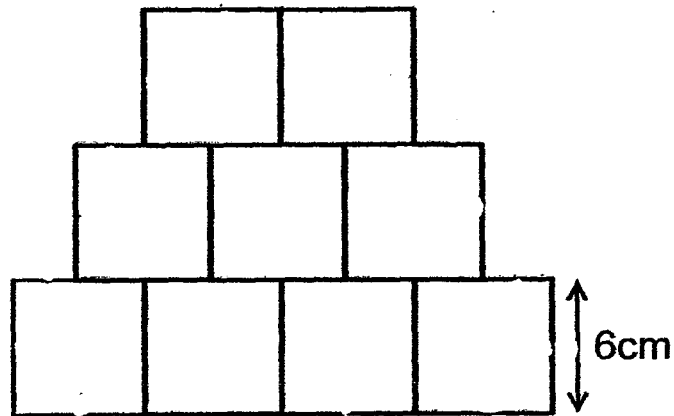
34. A farmer had twice as many chickens as cows. After he sold 330 chickens, he had twice as many cows as chickens. How many chickens were left?

Ans : _____



35. The figure below is made up of 9 identical squares. Find the perimeter of the figure.

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in this column



Ans : _____ cm

END OF SECTION B

Section C: (30 marks)

For questions 36 to 43, show your working clearly in the space provided for each question and write your answer in the space provided. The number of marks available is shown in brackets [] at the end of each question or part-question.

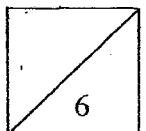
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36. There are some green and blue buttons in a box. $\frac{2}{9}$ of the buttons are blue.
There are 574 blue buttons. How many green buttons are there?

Ans: [3]

37. At a party, there ~~were~~ ^{was an} equal number of adults and children. After 42 children left, there were three times as many adults as children. How many adults were there at the party?

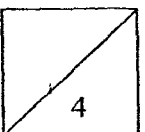
Ans: [3]



38. Carrie is 7 years older than her sister. Three years ago, their total age was 43. How old is Carrie now?

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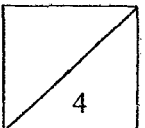
Ans: _____ [4]



39. Mother packed an equal number of apples into 10 boxes and had 140 apples left. If she packed the same equal number of apples into 6 boxes, she would have 600 apples left. How many apples did Mother have?

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Ans: _____ [4]

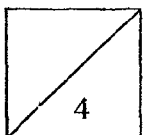


40. Jessica and Sarah each bought identical computers at the same price. Jessica bought an additional pair of headphones while Sarah bought an extra set of speakers. Jessica's headphones cost \$40. Jessica spent \$2000 and Sarah spent \$2600.
- a) Find the price of the computer.
 - b) Find the price of Sarah's speakers.

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Ans: a) _____ [2]

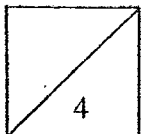
b) _____ [2]



41. Tiffany, Sandra and Ray spent a total of \$2260. Tiffany spent twice as much as Sandra and Ray spent \$260 more than Tiffany. How much did Ray spend?

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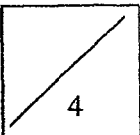
Ans: _____ [4]



42. Jill had twice as many marbles as Jack. Kate had 5 times as many marbles as Jack. After Jill bought some marbles and Jack bought another 260 marbles, all three of them had the same number of marbles. Find the total number of marbles the three children had in the end.

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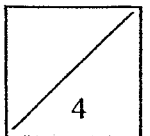
Ans: _____ [4]



43. At a school carnival, $\frac{1}{3}$ of the pupils ate chicken rice, $\frac{1}{4}$ of the pupils ate noodles and the rest ate pizza. If 300 more pupils ate pizza than noodles, how many pupils ate at the carnival?

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Ans: _____ [4]



END OF PAPER
PLEASE CHECK YOUR WORK

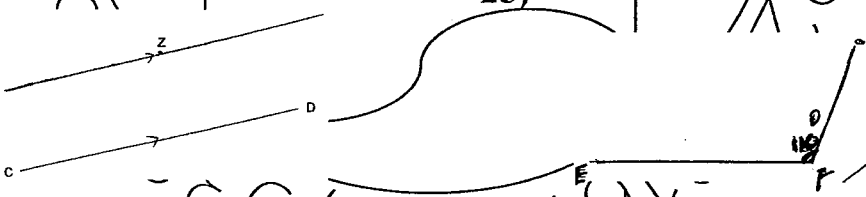
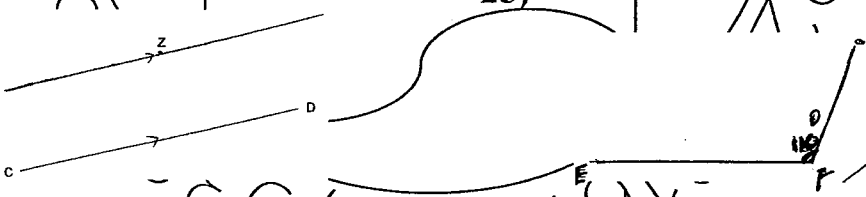
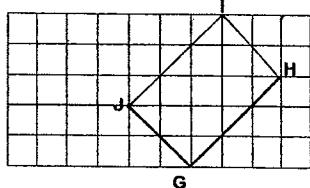
ANSWER KEY

YEAR : 2017
LEVEL : PRIMARY 4
SCHOOL : SINGAPORE CHINESE GIRLS'
SUBJECT : MATHEMATICS
TERM : SA1

Booklet A

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

Booklet B

- 16) Nineteen thousand nine hundred and forty-eight. 17) 30
 18) 5066 (5066) 19) 912R1 20) 19194
 21) $3\frac{4}{7}$ 22) $4\frac{1}{3}, \frac{9}{3}, \frac{7}{6}, \frac{1}{9}$ 23) 1, 2, 3 and 6
 24) 
 25) 
 26) 
 27) 32 28) $\frac{1}{5}$ kg

29) 1404 pages

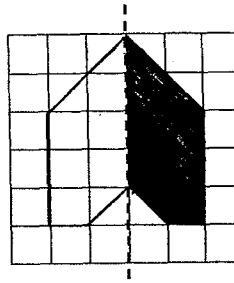
30) 160 apples

31) 24°

32) 15 cm

33)

34) 110 chickens



35) 84 cm

36) $2u \rightarrow 574$

$1u \rightarrow 574 \div 2 = 278$

$1 - \frac{27}{9} = \frac{7}{9}$

$7u \rightarrow 287 \times 7 \Rightarrow \underline{2009 \text{ green buttons}}$

37) $2u \rightarrow 42$

$1u \rightarrow 42 \div 2 = 21$

$3u \rightarrow 21 \times 3 \Rightarrow \underline{63 \text{ adults}}$

38) Now $\rightarrow 43 + 3 + 3 = 49$

$2u \rightarrow 49 - 7 = 42$

$1u \rightarrow 42 \div 2 = 21$

$21 + 7 \Rightarrow \underline{28 \text{ years old}}$

39) Gap $\rightarrow 600 - 140 = 460$

Diff $\rightarrow 10 - 6 = 4$

$460 \div 4 = 115$

$115 \times 10 = 1150$

$1150 + 140 \Rightarrow \underline{1290 \text{ apples}}$

40) (a) Computer $\rightarrow \$2000 - \$40 \Rightarrow \underline{\$1960}$

(b) Sarah's speakers $\rightarrow \$2600 - \$1960 \Rightarrow \underline{\$640}$

41) $\$2260 - \$260 = \$2000$

$5u \rightarrow \$2000$

$1u \rightarrow \$2000 \div 5 = \400

$2u \rightarrow \$400 \times 2 = \800

$\$800 + \$260 \Rightarrow \underline{\$1060}$

42) $5u - 1u = 4u$

$4u \rightarrow 260$

$1u \rightarrow 260 \div 4 = 65$

$15u \rightarrow 65 \times 15 \Rightarrow \underline{975 \text{ marbles}}$

43) $\frac{1}{3} - \frac{4}{12} = \frac{1}{4} = \frac{3}{12}$

$1 - \frac{4}{12} - \frac{3}{12} = \frac{5}{12}$

$\frac{5}{12} - \frac{3}{12} = \frac{2}{12}$

$2u = 300$

$1u \rightarrow 300 \div 2 = 150$

$12u = 150 \times 12 \Rightarrow \underline{1800 \text{ pupils}}$

