

Name: _____()

Class : Primary 4 _____

Primary 4 Mathematics
2016 Semestral Assessment One

Booklet A

10 May 2016

TOTAL TIME FOR BOOKLETS A AND B: 1 HOUR 45 MINUTES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

This booklet consists of 10 printed pages including the cover pages.

Section A: (20 x 2 marks)

For each question, four options are given. One of the options is the correct answer. Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet. Please use only 2B pencil and SHADE the oval completely.

1. Twenty-two thousand and nineteen in figures is _____.

- 1) 2219
- 2) 22 019
- 3) 22 190
- 4) 22 910

2. 64 thousands and 7 tens is the same as _____.

- 1) 647
- 2) 6470
- 3) 64 070
- 4) 64 700

3. The difference between the total value of the digits 3 and 8 in 40 382 is _____.

- 1) 220
- 2) 222
- 3) 2200
- 4) 2992

4. Complete the following number pattern.

2891 , 2894 , 2897 , , , 2906

- 1) 2898, 2899
- 2) 2898, 2905
- 3) 2900, 2903
- 4) 2900, 2904

5. Which of the following numbers becomes 75 000 when rounded off to the nearest ten?

- 1) 74 935
- 2) 74 995
- 3) 75 094
- 4) 75 134

6. Which one of the following has the least number of factors?

- 1) 9
- 2) 12
- 3) 13
- 4) 18

7. Which of the following is not a multiple of both 4 and 6 ?

1) 24

2) 36

3) 60

4) 78

8. Find the product of 3864 and 7.

1) 27 048

2) 27 044

3) 25 588

4) 21 628

9. Between the numbers 10 and 33, how many times does the digit 2 appears ?

1) 10

2) 11

3) 12

4) 13

10. What is the missing number in the box?

$$3807 \div 3 = \boxed{}$$

- 1) 126
 - 2) 129
 - 3) 1268
 - 4) 1269
11. When a number is divided by 4, the quotient is 616 and the remainder is 1. What is the number?

- 1) 104
- 2) 154
- 3) 2464
- 4) 2465

12. Arrange the following fractions from the greatest to the smallest.

$$\frac{7}{18}, \frac{5}{6}, \frac{7}{9}$$

(greatest)

(smallest)

- 1) $\frac{5}{6}$, $\frac{7}{18}$, $\frac{7}{9}$
- 2) $\frac{5}{6}$, $\frac{7}{9}$, $\frac{7}{18}$
- 3) $\frac{7}{9}$, $\frac{5}{6}$, $\frac{7}{18}$
- 4) $\frac{7}{18}$, $\frac{7}{9}$, $\frac{5}{6}$

13. How many one- thirds are there in 4 wholes ?

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

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

3) 7

4) 12

14. Which of the following fractions is in its simplest form?

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

2) $\frac{6}{9}$

3) $\frac{6}{18}$

4) $\frac{2}{9}$

15. Dorothy gave $\frac{4}{7}$ of her pens away and had 84 pens left. How many pens did she have

1) 196

2) 147

3) 132

4) 112

16. Felicia drank $\frac{12}{3}$ L of water on Monday. She drank $\frac{1}{6}$ L more water on Tuesday than on Monday. How much water did she drink on

1) $1\frac{1}{3}$ ℓ

2) $1\frac{1}{2}$ ℓ

3) $1\frac{2}{3}$ ℓ

4) $1\frac{5}{6}$ ℓ

17. A $\frac{3}{4}$ turn is _____°

1) 90

2) 180

3) 270

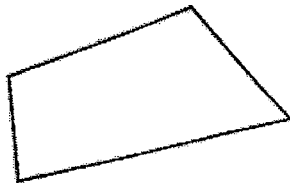
4) 360

18. Which of the following figures shows a rectangle?

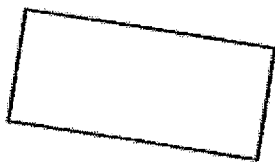
1)



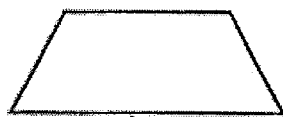
2)



3)



4)



19. Which of the following is not a symmetrical figure?

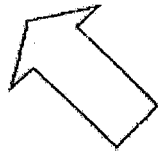
1)



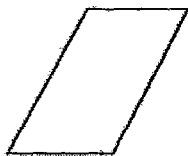
2)



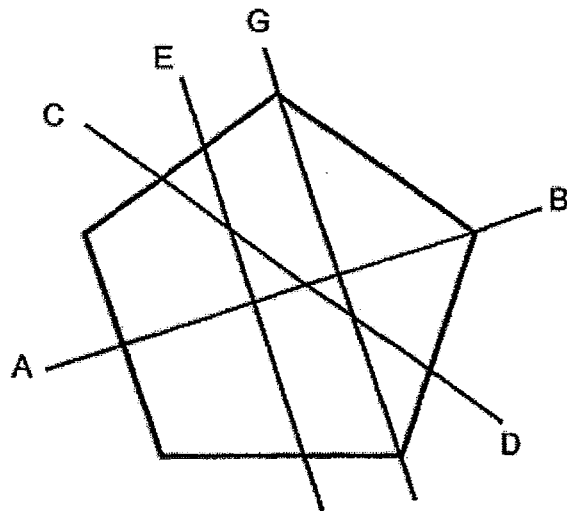
3)



4)



20. Study the figure below. All the sides of the five-sided figures are equal. Which is the correct line of symmetry?



- 1) AB
- 2) CD
- 3) EF
- 4) GH

- END OF BOOKLET A -

Name: _____ ()

Class : Primary 4 _____

Primary 4 Mathematics
2016 Semestral Assessment One

Booklet B

10 May 2016

Parent's/Guardian's Signature

Booklet A :	/ 40
Booklet B :	/ 60
Total :	/ 100

TOTAL TIME FOR BOOKLETS A AND B: 1 HOUR 45 MINUTES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

This booklet consists of 16 printed pages including the cover page.

Section B: (20 x 2 marks)

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Write down your answers in the spaces provided. For questions which require units, give your answers in the units stated. Show all workings clearly.

21. $3009 - 542 =$

Ans : _____

22. Use the following cards below to form the smallest 4-digit odd number.
Each card can only be used once.



Ans : _____

23. Melissa used 86 beads to string a necklace. How many beads did she use to string 20 similar necklaces?

Ans : _____

24. What is the sum of the 5th multiple of 6 and the 3rd multiple of 8?

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is : _____

25. A number is a common factor of 21 and 28. The number is more than 5
What is the number?

Ans : _____

26. 40 children attending a birthday party were made to queue up in a single
file when entering the function room. Every 4th pupil in the queue received a
pencil and every 6th pupils in the queue received an eraser. How many
pupils received both a pencil and an eraser?

Ans : _____



27. Mary spends \$1395 each month. Sumithi spends 6 times as much as Mary
How much do Sumithi and Mary spend altogether each month?

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Ans : \$ _____

28. What is the remainder when 6053 is divided by 8?

Ans : _____



29. Shannon has 182 sweets. She packs them into party bags to distribute to her friends. Each party bag can hold at most 5 sweets. What is the least number of party bags needed for her to pack all the sweets?

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Ans : _____

30. What is the missing number in the box?

$$\frac{4}{7} = \frac{\boxed{?}}{14}$$

Ans : _____



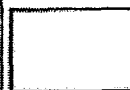
31. 13 pizzas were shared equally among 9 children. What fraction of the pizzas did each child receive? Express your answer in its simplest form.

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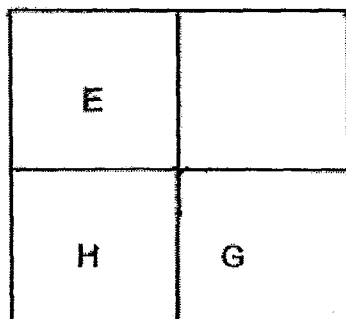
Ans : _____

32. Find the value of $1 - \frac{1}{2} - \frac{1}{5}$

Ans : _____



33. A square was divided into 4 parts, E, F, G and H. E and H form half of the square. Write down any 2 parts that form $\frac{5}{8}$ of the square.



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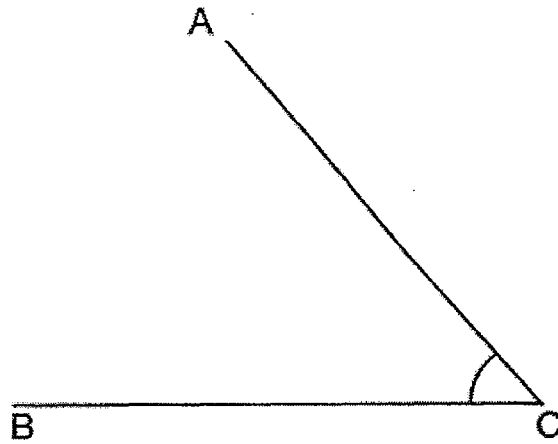
Ans : _____ and _____

34. There are 9 green buttons, 13 orange buttons and 12 yellow buttons in a box. What fraction of the buttons are yellow buttons? Express your answer in its simplest form.

Ans : _____



35. Measure and write down the size of $\angle ACB$

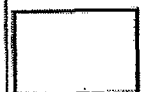


Ans : _____°

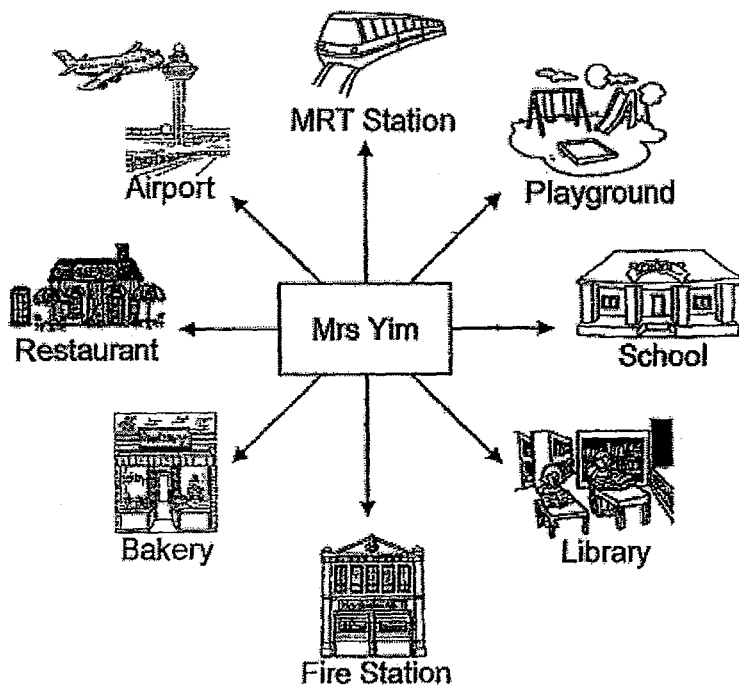
36. Complete $\angle PQR = 95^\circ$ with the given line QR. Mark and label the angle.



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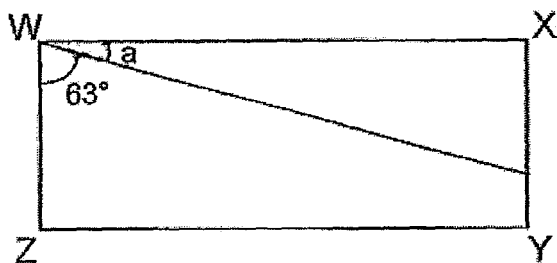
37. Mrs Yim was facing north. She turned 225° clockwise. Which place would she be facing?



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Ans : _____

38. In the figure, WXYZ is a rectangle. Find $\angle a$.

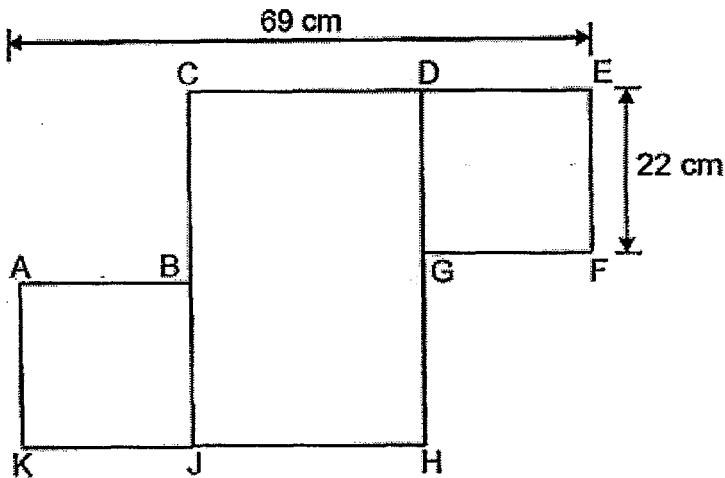


Ans : _____°



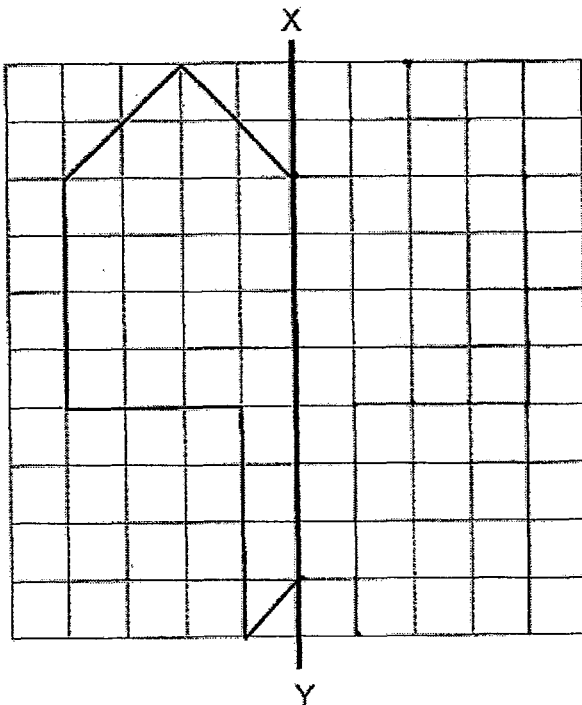
39. The figure below, not drawn to scale, is made up of 2 similar squares, $ABJK$ and $DEFG$, and a rectangle $CDHJ$. Find the length of JH .

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Ans : _____ cm

40. XY is the line of symmetry. Complete the symmetric figure on the square grid below.



Section C: (20 marks)

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Solve the following problems. All mathematical working and statements must be shown clearly.

41. Bianca had twice as many buttons as Candice at first. After Bianca bought another 40 buttons, she had 7 times as many buttons as Candice. How many buttons did Bianca have at first?

Ans : _____ [3]



42. Mei Qin bought 36 boxes of oranges to sell at a carnival. Each box contained 120 oranges. She sold 2453 oranges in the morning. How many oranges did Mei Qin have left?

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Ans : _____ [3]

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43. 5 similar bags and 1 wallet cost \$473.

1 bag and 1 wallet cost \$117

What is the cost of 1 wallet?

Ans : _____ [3]



44. There were 216 children at a stadium at first. After 8 children left the stadium, $\frac{1}{4}$ of them were girls. How many girls were there at the stadium in the end?

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Ans : _____ [3]



45. Miranda bought 90 buns. She packed some buns into a box. She could pack a maximum of 24 buns in the box. However, she only packed $\frac{5}{6}$ of the box with buns. How many buns were not packed?

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Ans : _____ [4]

46. Lynette baked some marble cakes, walnut cakes and fruit cakes. $\frac{1}{9}$ of them were marble cakes and $\frac{1}{8}$ of them were walnut cakes. She baked 180 fruit cakes.

(a) What fraction of the cakes were fruit cakes?

(b) How many cakes did Lynette bake in all?

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Ans : (a) _____ [2]

(b) _____ [2]



****END OF PAPER****

ANSWER SHEET

EXAM PAPER 2016 (P4)

SCHOOL : CHIJ

SUBJECT : MATHEMATICS

TERM : SA1

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
2	3	1	3	2	3	4	1	3	4
Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
4	2	4	4	1	4	3	3	4	1

21)2467 22)2067 23)1720 24)54 25)7 26)3

27)1395 x 6 = 8470

$$1395 + 8370 = \$9765$$

28)6053 ÷ 8 = 756 R5

Ans : 5

29)182 x 5 = 36 R2

$$36 + 1 = 37$$

30)8

31)14/9

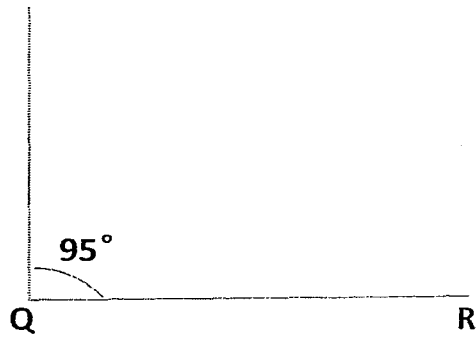
32)3/10

33) E and F

34) $6/17$

35) 50°

36) P



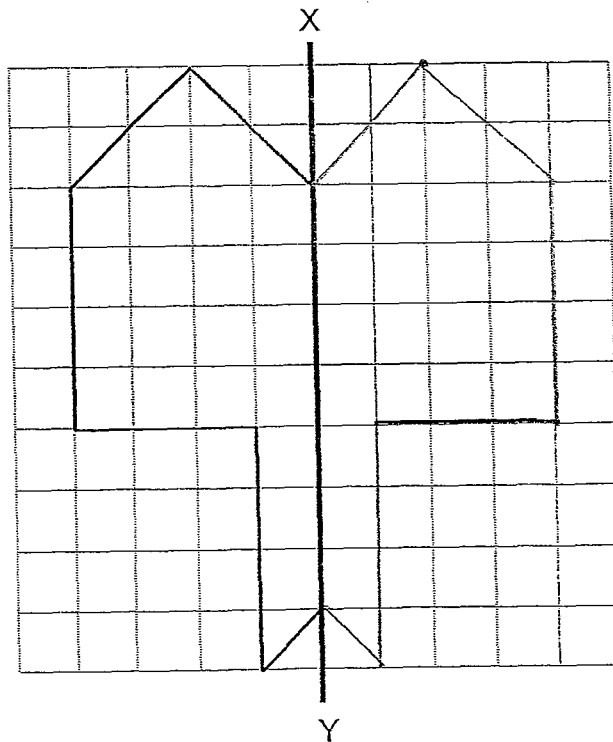
37) Bakery

38) $90 - 63 = 27^\circ$

39) $22 + 22 = 44$

$$69 - 44 = 25\text{cm}$$

40)



41) 5 units \rightarrow 40

$$1 \text{ unit} \rightarrow 40 \div 5 = 8$$

$$2 \text{ units} \rightarrow 8 \times 2 = 16$$

Bianca had 16 buttons at first.

42) $120 \times 36 = 4320$

$$4320 - 2453 = 1867$$

Mei Qin had 1867 oranges left.

43) 5 bags + 1 wallet \rightarrow \$473

$$4 \text{ bags} \rightarrow 473 - 117 = 356$$

$$1 \text{ bag} \rightarrow 356 \div 4 = 89$$

$$1 \text{ wallet} \rightarrow 117 - 89 = 28$$

The cost of 1 wallet is \$28

44) $216 - 8 = 208$

$$208 \div 4 = 52$$

There were 52 girls at the stadium in the end.

45) $24 \div 6 = 4$

$$90 - 24 = 66$$

$$66 + 4 = 70$$

70 buns were not packed.

46) a) 5 units $\rightarrow 9/9 - 1/9 - 3/9 = 5/9$

5/9 of the cakes were fruit cakes.

b) 5 units \rightarrow 180

$$1 \text{ unit} \rightarrow 180 \div 5 = 36$$

$$9 \text{ units} \rightarrow 36 \times 9 = 324$$

Lynette baked 324 cakes in all.

