Pei Chun Public School
Semestral Assessment 1 – 2015
Mathematics
Primary 4

Booklet A

Name: _____ ( )   Date: 6 May 2015

Class: Primary 4 ___   Time: 2 h

Math Teacher: _____

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.   (30 marks)

1.   The value of the digit 9 in 39 671 is _____.

(1)   9000

(2)   900

(3)   90

(4)   9

2.   Which of the following is a factor of 54?

(1)   7

(2)   6

(3)   5

(4)   4

3.   Which of the following is a common factor of 18 and 48?

(1)   8

(2)   9

(3)   3

(4)   4

4. What is the value of 9008 ÷ 4?

    (1) 225

    (2) 227

    (3) 2002

    (4) 2252
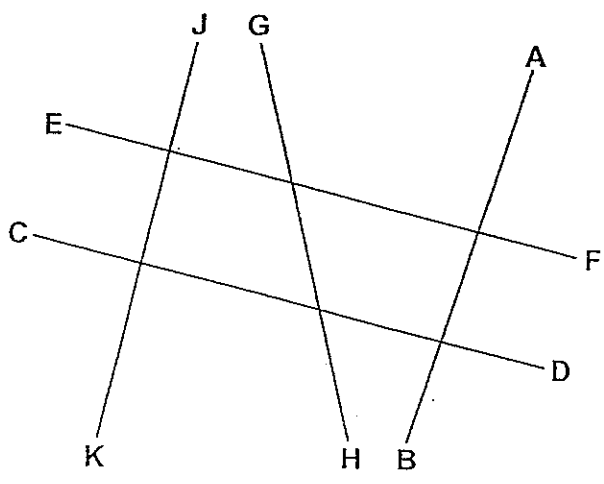
5. Express $\frac{37}{8}$ as a mixed number.

    (1) $8\frac{4}{5}$

    (2) $5\frac{4}{8}$

    (3) $4\frac{5}{8}$

    (4) $3\frac{7}{8}$
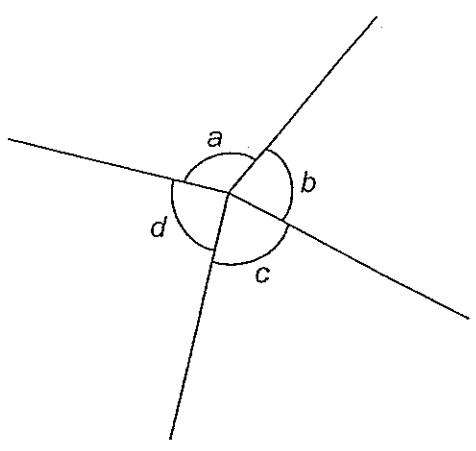
6. How many tenths are there in $3\frac{2}{5}$?

    (1) 10

    (2) 17

    (3) 32
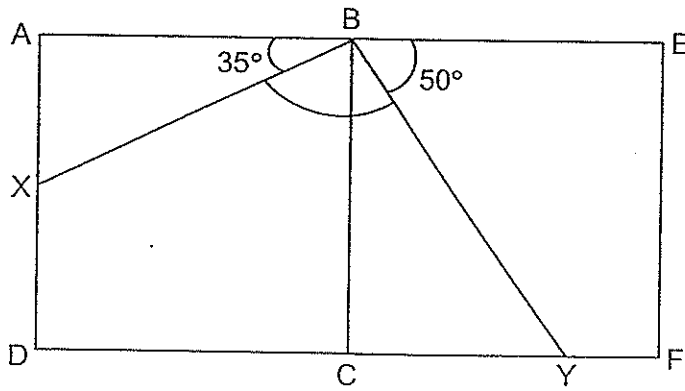
    (4) 34

7.   Which line is perpendicular to Line CD?

(1)   Line AB

(2)   Line EF

(3)   Line GH

(4)   Line JK
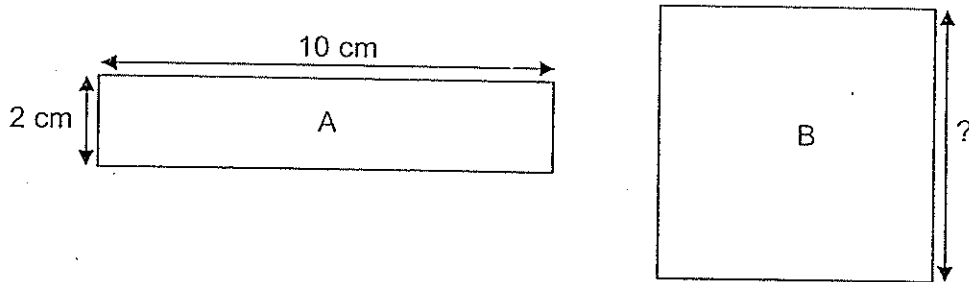
8.   Which of the following angles is a right angle?

(1) $\angle a$

(2) $\angle b$

(3) $\angle c$

(4) $\angle d$

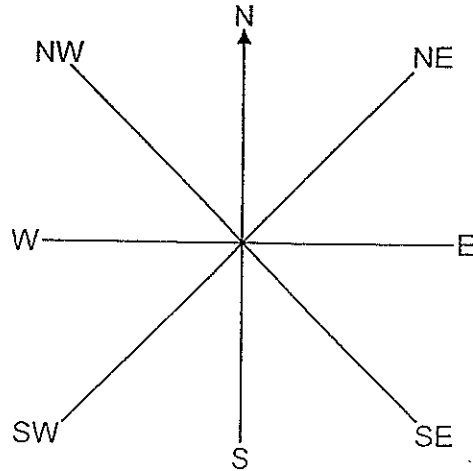9. The figure below is made up of 2 squares. ∠ABX = 35° and ∠EBY = 50°.

Find ∠XBY.

(1) 95°

(2) 85°

(3) 55°

(4) 40°

10. Rectangle A and Square B have the same perimeter.

Find the length of one side of Square B.

(1) 12 cm

(2) 10 cm

(3) 6 cm

(4) 5 cm

11. Devi was facing south-west (SW) at first. She then made a $\frac{3}{4}$-turn to her right.

Which direction does Devi face now?

(1) South-east (SE)

(2) South-west (SW)

(3) North-west (NW)

(4) North-east (NE)

12. Jeremy watched a movie which lasted for 2 h 15 min. It ended at 3 p.m. What time did the movie start?

(1) 12.15 p.m.

(2) 12.45 p.m.

(3) 1.15 p.m.

(4) 1.45 p.m.

13, Betty and Caili had an equal number of beads at first.
Betty used $\frac{1}{2}$ of her beads and Caili used $\frac{1}{6}$ of her beads.
They used 16 beads altogether. How many beads did Betty have in the end?

(1) 20

(2) 12

(3) 8

(4) 4

14. A pail of capacity 6000 ml contains 950 ml of water.
5 full identical jugs of water are needed to fill the pail completely.
What is the capacity of one jug?

    (1)   1010 ml

    (2)   1039 ml

    (3)   1100 ml

    (4)   1390 ml

15. Dehua had $40 more than John. After Dehua spent $26, he had twice as much money as John. How much money did Dehua have left?

    (1) $7

    (2) $14

    (3) $28

    (4) $54

Pei Chun Public School
Semestral Assessment 1 – 2015
Mathematics
Primary 4

Booklet B

Name : _____ (   )   Marks :

Class : Primary 4 ___

Date : 6 May 2015

Time : 2 h

Maths Teacher : _____

Parent's Signature : _____

Booklet A	30
Booklet B	70
T O T A L	100

Questions 16 to 30 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.   (30 marks)
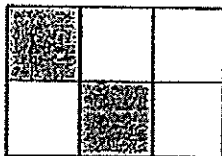
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16.   Write the following in figures.

   (a)   Two thousand, nine hundred and fifteen

   (b)   Forty-two thousand and sixty

Answer : (a) _____

(b) _____

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17.   The figure below is made up of unit squares. What fraction of the whole figure is shaded? Express your answer in the simplest form.

Answer : _____

SCORE

18. In the space below, draw ∠EFG = 55°. The line EF has been drawn for you. Mark and label the angle.

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E                           F
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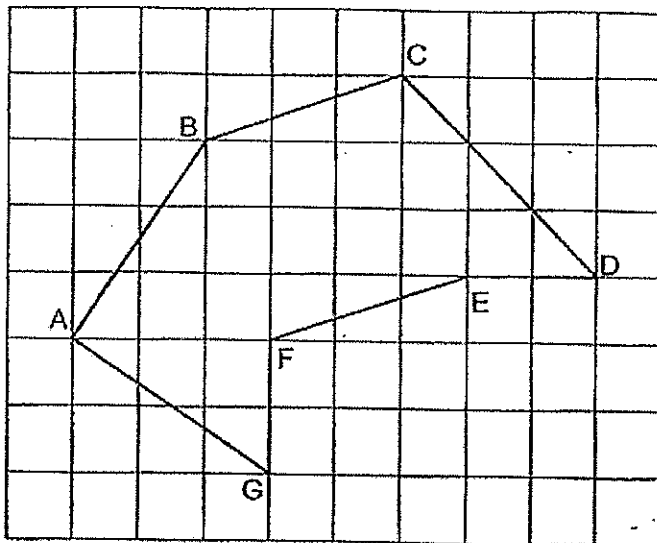
19. Arrange the following fractions from the smallest to the greatest.

$$\frac{1}{3} \qquad \frac{1}{4} \qquad \frac{2}{3}$$

Answer : _____ , _____ , _____
         smallest

20. In the figure below,

(a) Name a pair of parallel lines.

(b) Name a pair of perpendicular lines.

Answer : (a) _____ // _____

(b) _____ ⊥ _____
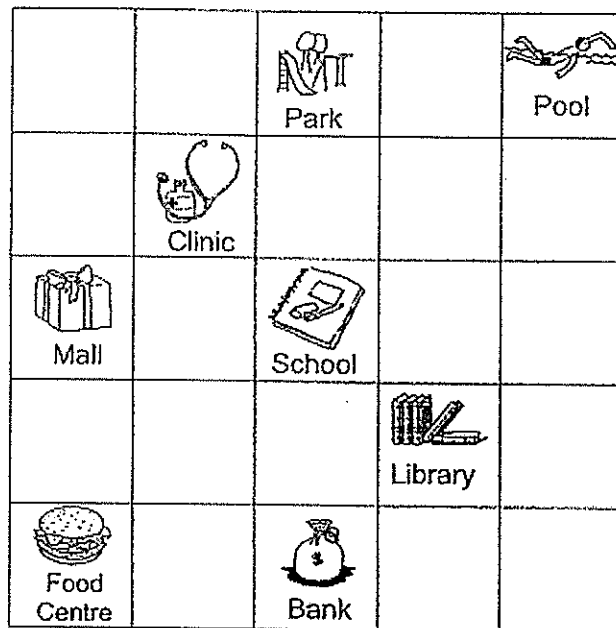
SCORE

21. Find the value of $5 - \dfrac{3}{10}$.

Express your answer as a mixed number.

Answer : _____

22. The square grid below shows some places in a neighbourhood.

		Park		Pool
	Clinic			
Mall		School		
			Library	
Food Centre		Bank		

N
↑

(a) In what direction is the Library from the Bank?

(b) Michael was in the School facing South. He then turned 225° in a clockwise direction. Which place would Michael be facing then?
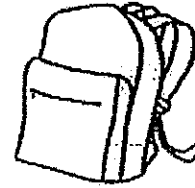
Answer : (a) _____

(b) _____

SCORE

23. Nicholas bought a school bag and two pairs of socks. How much change will he receive if he gives the cashier $50?

$2.50
each pair

$29.90

Answer : $ _____

24. The area of a square is 100 cm². Find the perimeter of the square.

Answer : _____ cm

25. Mrs Joe bought 3 sardine buns, 5 tuna buns and 8 cheese buns.
What fraction of the buns Mrs Joe bought were tuna buns?

Answer : _____

26. In a class of 35 pupils, $\frac{4}{7}$ of them wear spectacles. How many pupils in the class wear spectacles?
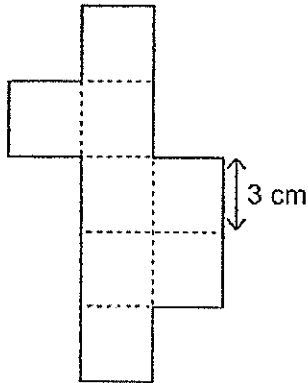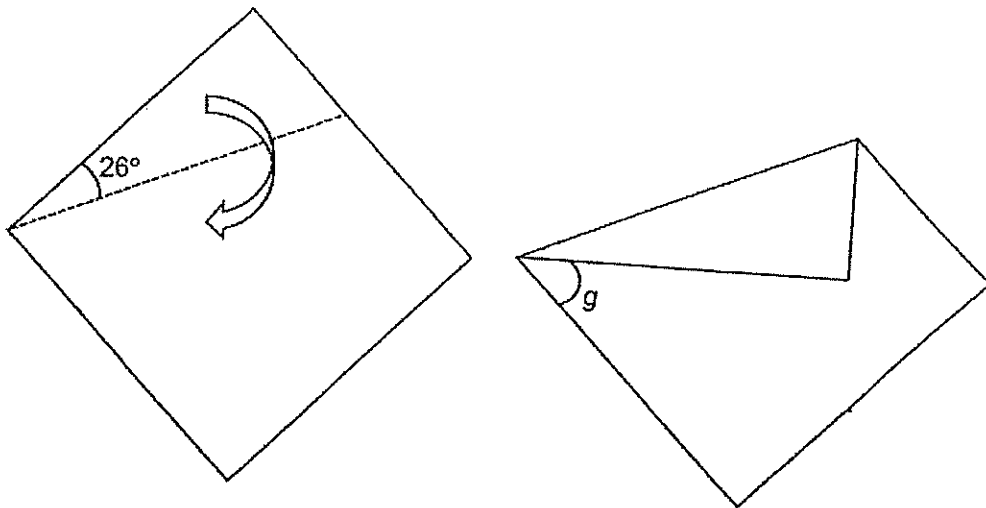
Answer : _____

SCORE

27. The figure below is formed by eight 3-cm squares.
Find the perimeter of the figure.

3 cm

Answer : _____ cm

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28. Pauline has a piece of square paper. She folded it along the dotted line as shown below. Find ∠g.

26°

g

Answer : _____ °

SCORE

29. A bottle is $\frac{5}{6}$ full when it is filled with 10 ℓ of water. How much water is there in the bottle when it is $\frac{1}{2}$ full?

Answer : _____ ℓ

30. Mrs Lee visits the old folks home every 4 days and Mrs Salmi visits the old folks home every 5 days. If they meet each other at the old folks home on 5 June, when will be the next date they meet each other again at the old folks home?

Answer : _____

SCORE

31.   There are 4983 residents in Town A. There are three times as many residents in Town B as in Town A.

(a)   How many residents are there in Town B?

(b)   How many residents are there in both towns altogether?

Answer : (a) _____ [2]

(b) _____ [2]

SCORE

32. Mrs Phua used 2500 ml of lemon syrup and some water to make lemonade.
She poured all the lemonade equally into 40 cups.
Each cup contained 200 ml of lemonade.

(a) How much lemonade, in ml, did she make?

(b) How much water, in ml, did she use to make the lemonade?

Answer : (a) _____ [2]

(b) _____ [2]

SCORE

33. Ken has 48 marbles in a box. $\frac{1}{8}$ of the marbles are yellow. $\frac{1}{4}$ of them are blue and the remaining marbles are green.

(a) What fraction of the marbles are green?
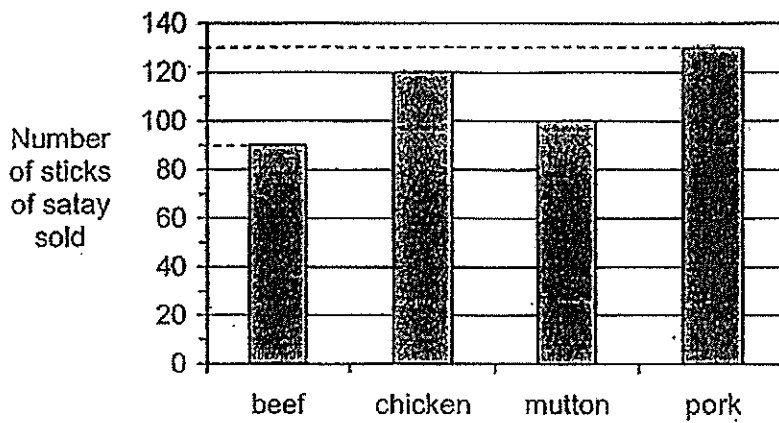
(b) How many blue marbles does Ken have in the box?

Answer : (a) _____ [2]

(b) _____ [2]

SCORE

34. The bar graph below shows the number of sticks of satay Mr Muthu sold on Tuesday.

(a) What was the total number of sticks of satay Mr Muthu sold?

(b) Mr Muthu sold each stick of beef satay at 70¢. How much money did he collect from the sale of the beef satay? Give your answer in dollars.

Answer : (a) _____ [2]

(b) _____ [2]

SCORE

35. Wendy has $107 more than Rina. Belinda has $60 less than Wendy. The three girls have a total of $415.

   (a)   How much money does Rina have?
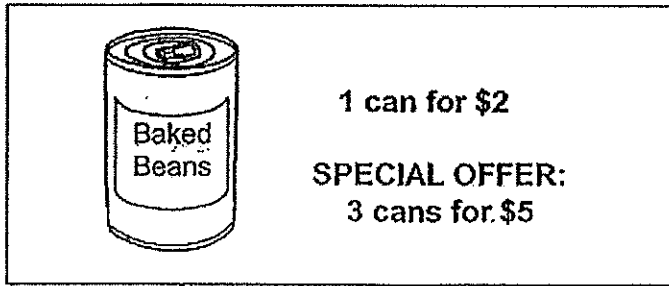
   (b)   How much money does Belinda have?

Answer : (a) _____ [2]

(b) _____ [2]

SCORE

36. A supermarket has a special offer on baked beans.

1 can for $2

SPECIAL OFFER:
3 cans for $5

Baked Beans

Zachery has $109. What is the greatest number of cans of baked beans he can buy?

Answer : _____ [4]

SCORE

37. Mabel has 13 notes. There are only two-dollar notes and ten-dollar notes. The total amount of money is $50. How many ten-dollar notes does Mabel have?
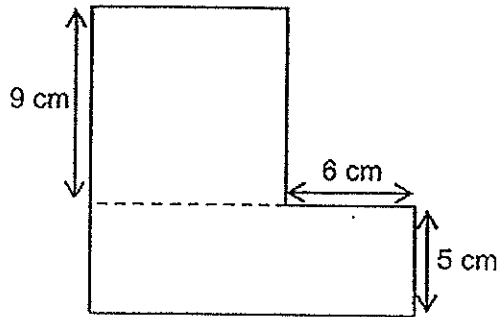
Answer : _____ [4]

38. Taha and Devi baked 238 cupcakes altogether. After Taha sold $\frac{1}{5}$ of his cupcakes and Devi sold 31 of her cupcakes, they had the same number of cupcakes left. How many cupcakes did they have left?

Answer : _____ [4]

39. The figure below is made up of a square and a rectangle.
What is the area of the figure?

9 cm

6 cm
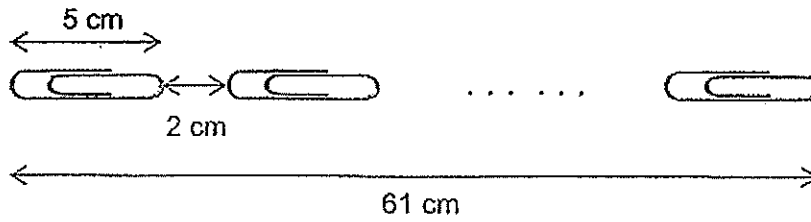
5 cm

Answer : _____ [4]

SCORE

40. Osman placed a number of paper clips measuring 5 cm each on a straight line leaving a gap of 2 cm between each paper clip. The distance between the tip of the first paper clip and the end of the last paper clip was 61 cm.
How many paper clips did Osman place on the straight line?

End of Paper

Answer : _____ [4]

EXAM PAPER 2015

SCHOOL : PEI CHUN

SUBJECT : P4 MATHEMATICS

TERM : SA1

ORDER CALL : MR GAN @ 92998971   92475053 86065443

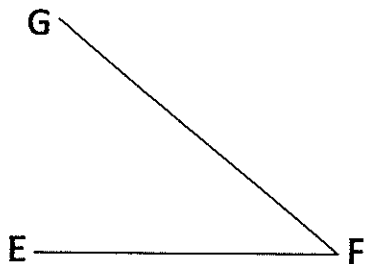| Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	2	3	4	3	4	4	4	1	3
Q11	Q12	Q13	Q14	Q15					
1	2	2	1	3					

16) a) 2915

    b) 42060

17) 1/3

18)

19) 1/4, 1/3, 2/3

20) a) FE//BC   20) b) AB⊥AG

21) 4 7/10

22) a) North-east   22) b) Pool

23) $15.10

24) 100 ÷ 2 = 10

  10 x 4 = <u>40 cm</u>

25) 5/16

26) 20

27) 48

28) 38°

29) 6 L

30) 25 June

31) a) 4983 x 3 = <u>14949</u>

  b) 14949 + 4983 = <u>19932</u>

32) a) 40 x 200 = <u>800 ml</u>

  b) 8000 – 2500 = <u>5500 ml</u>

33) a) 1/8 + 1/4 = 1/8 + 2/8

      = 3/8

  8/8 – 3/8 = <u>5/8</u>

  b) 48 ÷ 8 = 6

    6 x 2 = <u>12</u>

34) a) $90 + 120 + 100 + 130 = \underline{440}$

b) $90 \times 70¢ = 6300¢$

$6300 ¢ = \underline{\$63}$

35) a) $3u = 415 - 47 - 107$

$= 261$

$1u = 261 \div 3$

$= \underline{\$87}$

b) $87 + 47 = \underline{\$134}$

36) $109 \div 5 = 21$

$21 \text{ groups} = 21 \times 3$

$= 63$

$\text{Remaining} = 4 \div 2$

$= 2$

$63 + 2 = \underline{65}$

37) Assuming all 13 notes are \$2 notes,

$\text{Total} = 13 \times 2$

$= 26$

$\text{Extra} = 50 - 26$

$= 24$

$\text{Diff} = 10 - 2$

$= 8$

$24 - 8 = \underline{3}$

38) $9u = 338 - 31$

$\qquad = 207$

$\quad 1u = 207 \div 9$

$\qquad = 23$

Left $= 23 \times 8$

$\qquad = \underline{184}$

39) $9 \times 9 = 81$

$\quad 15 \times 5 = 75$

$\quad 81 + 75 = \underline{156}$

40) $5 + 2 = 7$

$\quad 61 \div 7 = 8R5$

$\quad 8 + 1 = \underline{9}$