

SAI

Pei Chun Public School
Semestral Assessment 1 – 2005
Mathematics
Primary 5 - EM1 & EM2

Booklet A

Name: _____ ()

Date: 9 May 2005

Class: Primary 5 _____

Time: 2 h 15 min

Maths Teacher: _____

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. The value of 23 thousands + 18 hundreds + 9 ones is _____.

(1) 2489

(2) 23 189

(3) 24 809

(4) 231 809

()

2. Round off 26 596 to the nearest thousand.

(1) 26 000

(2) 26 600

(3) 27 000

(4) 30 000

()

3. Which of the following is the best estimate of the weight of an apple?

(1) 0.2 kg

(2) 2 g

(3) 20 g

(4) 2 kg

4. Which of the following has only one line of symmetry?

(1) 

(2) 

(3) 

(4) 

5. Find the difference between 8046 and 957.

(1) 7089

(2) 7189

(3) 8911

(4) 9003

6. What is the value of $7 \times 12 + 28 \div 4$?

(1) 28

(2) 70

(3) 91

(4) 133

7. What fraction of 3 years is 9 months?

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

(2) $\frac{3}{10}$

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

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

()

8. The area of a square is 81 cm^2 . Find its perimeter.

(1) 81 cm

(2) 36 cm

(3) 18 cm

(4) 9 cm

()

9. What is the value of $45 + 8 \times (81 \div 9) - 7$?

(1) 470

(2) 110

(3) 106

(4) 61

()

10. What is the number in the box?

$$3.647 = 3 + 4 \text{ hundredths} + \frac{\boxed{}}{1000}$$

(1) 7

(2) 47

(3) 67

(4) 607

()

11. Which of the following fractions is less than $\frac{1}{2}$?

(1) $\frac{5}{11}$

(2) $\frac{7}{13}$

(3) $\frac{10}{19}$

(4) $\frac{11}{21}$

()

12. The number of boys in a class is twice the number of girls. What is the ratio of the number of boys to the total number of pupils?

(1) 1 : 2

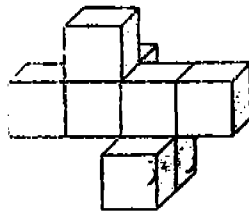
(2) 1 : 3

(3) 2 : 1

(4) 2 : 3

()

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



(1) 8 cm³

(2) 16 cm³

(3) 32 cm³

(4) 64 cm³

()

14. Refer to Booklet K.

15. Refer to Booklet K.

End of Booklet A

Pei Chun Public School
Semestral Assessment 1 – 2005
Mathematics
Primary 5 - EM1 & EM2

Booklet B

Name : _____ ()

Marks :

Class : Primary 5 _____

Date : 9 May 2005

Time : 2 h 15 min

Maths Teacher : _____

Parent's Signature : _____

Booklet A	20
Booklet B	64
Booklet K Qn 33–35, 47 & 48	16
TOTAL	100

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.

(10 marks)

Do not write
in this space

16. Write 2 045 013 in words.

Ans : _____

17. Express 0.075 as a fraction.

Ans : _____

18. What is the smallest 2-digit number that is a common multiple of 4 and 6?

Ans : _____

SCORE

19. Find the value of 3107×24 .

Ans : _____

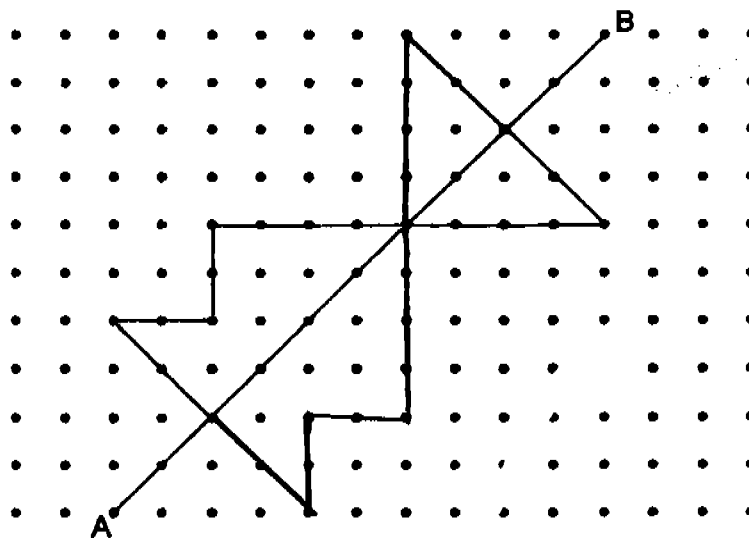
20. The ratio of Sereyn's stamps to Zuru's stamps is 3 : 5. The ratio of Huiming's stamps to Sereyn's stamps is 7 : 4. What is the ratio of Huiming's stamps to Sereyn's stamps to Zuru's stamps?

Ans : _____

21. How many sixths are there in $4\frac{1}{3}$?

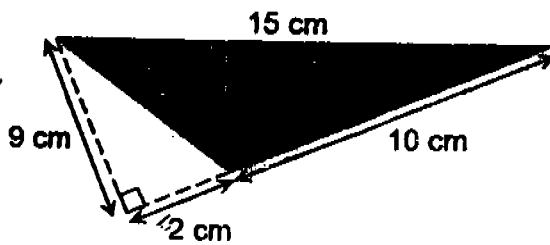
Ans : _____

22. The figure below shows one half of a symmetric figure. AB is the line of symmetry. Complete the symmetric figure.



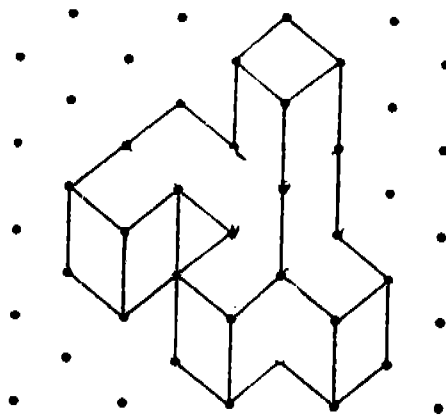
SCORE

23. Find the area of the shaded triangle.



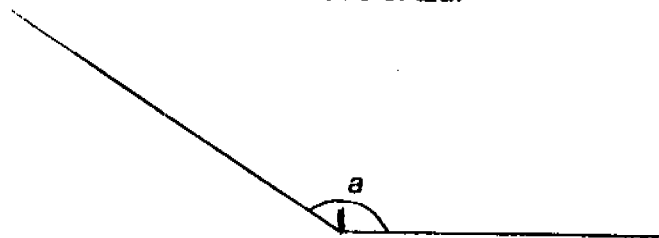
Ans : _____ cm²

24. How many unit cubes are used to build the solid figure below?



Ans : _____

25. Measure and write down the size of $\angle a$.



Ans : _____ °

SCORE

Questions 26 to 35 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.

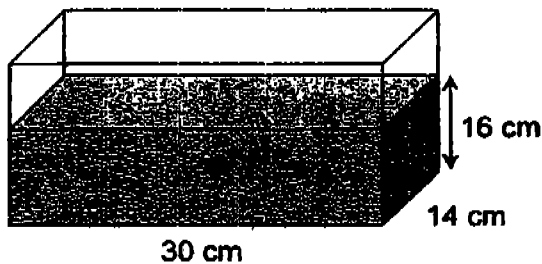
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(20 marks)

26. At a concert, there were 48 more children than adults. If there were 95 adults, how many people were there altogether?

Ans : _____

27. Some water was poured into a tank which measures 30 cm by 14 cm by 28 cm as shown below. How much more water is needed to fill the tank to its brim? (Give your answer in litres.)

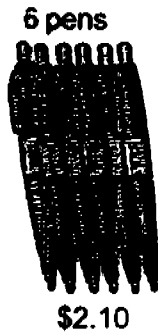


Ans : _____

SCORE

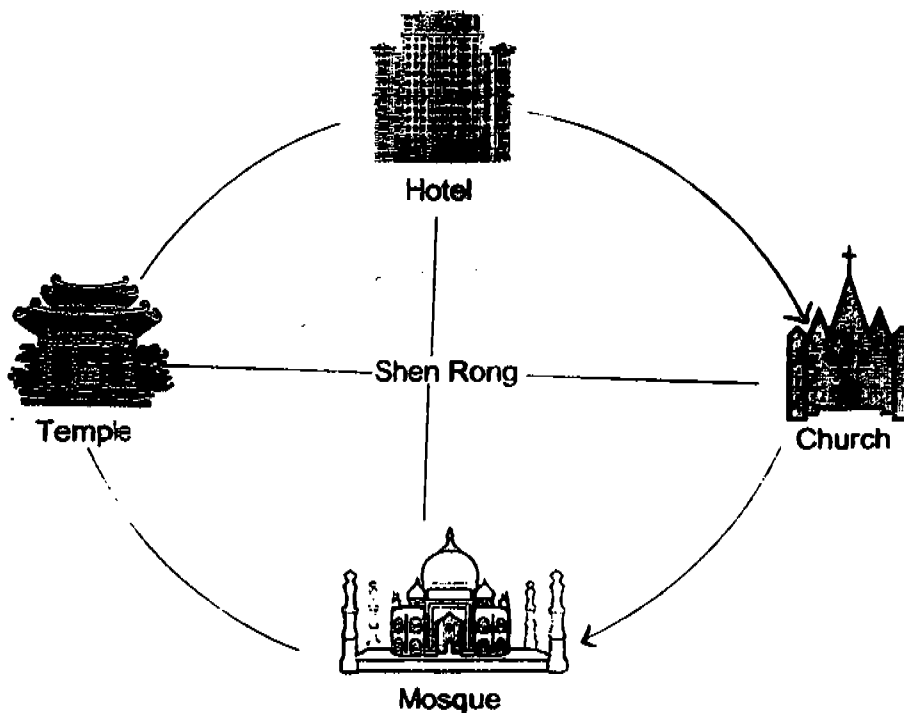
28. Study the information below. What is the greatest number of pens that can be bought with \$7.00?

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in this space



Ans : _____

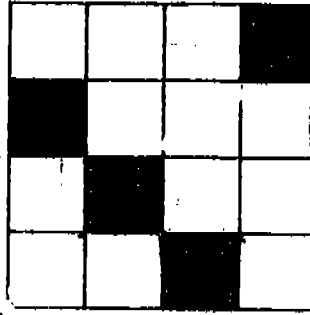
29. Shen Rong is facing the temple. She makes a $\frac{3}{4}$ -turn to her right. Which building will she be facing?



Ans : _____

SCORE

30. (a) Make the figure below symmetrical by shading 1 more square. [1]

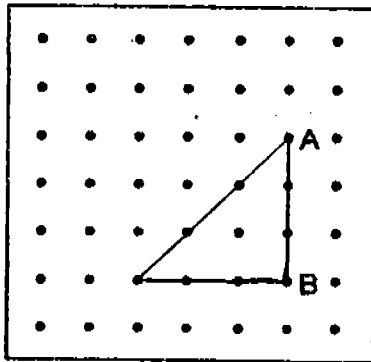


- (b) Draw the line of symmetry. [1]

31. There are 250 red, blue and green beads in a box. There are 10 more red beads than blue beads. The blue and green beads are in the ratio of 1 : 4. How many green beads are there in the box?

Ans : _____

32. Draw an isosceles triangle, ABC, in the grid below. One of the sides, AB, has been drawn for you.



33. Refer to Booklet K.
 34. Refer to Booklet K.
 35. Refer to Booklet K.

SCORE

For questions 36 to 48, show your working clearly in the space below each question and write your answers in the spaces provided.

Do not write
in this space

The number of marks available is shown in brackets [] at the end of each question or part-question. (Total: 50 marks)

36. The ratio of the number of cards Alicia and Taufik have is 2 : 5. Taufik has 45 cards more than Alicia. How many cards do they have altogether?

Ans : _____ [3]

37. Faizal bought an assessment book which had 280 pages. He completed $\frac{2}{7}$ of it in January and $\frac{1}{4}$ of the remainder in February. How many pages had he left to complete?

Ans : _____ [3]

SCORE

38. Jana had 64 stamps and Jieling had 18 stamps. After each of them received an equal number of stamps from their father, Jana had twice as many stamps as Jieling. Find the number of stamps each of them received from their father.

Ans : _____ [3]

39. A crate weighs 78 kg when it is packed with 100 mangoes. The same crate weighs 27 kg when it is packed with 100 pears. One mango is 3 times as heavy as one pear. Find the weight of one pear in grams.

Ans : _____ [3]

SCORE

40. Zhonghe bought 12 apples at 4 for \$1.50, 2 dozens of canned drinks at \$1.05 for each can and a tin of milk powder at \$15.

(a) How much did Zhonghe spend?

(b) If he paid for the things with a \$100 note, how much change would he get?

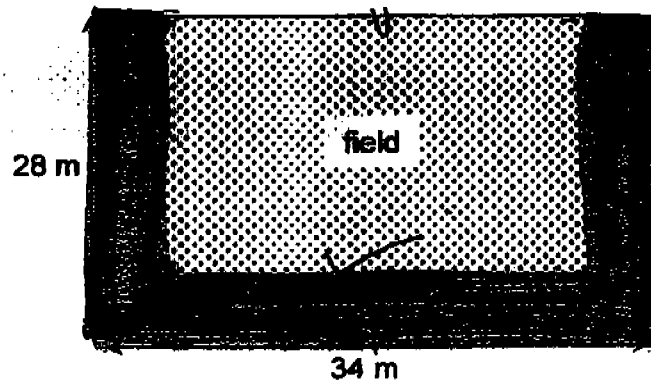
Ans : (a) _____ [3]

(b) _____ [1]

SCORE

41. The diagram below shows a rectangular field with a 2 m wide footpath on 3 sides.

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- (a) Find the perimeter of the footpath.
- (b) Find the area of the field.

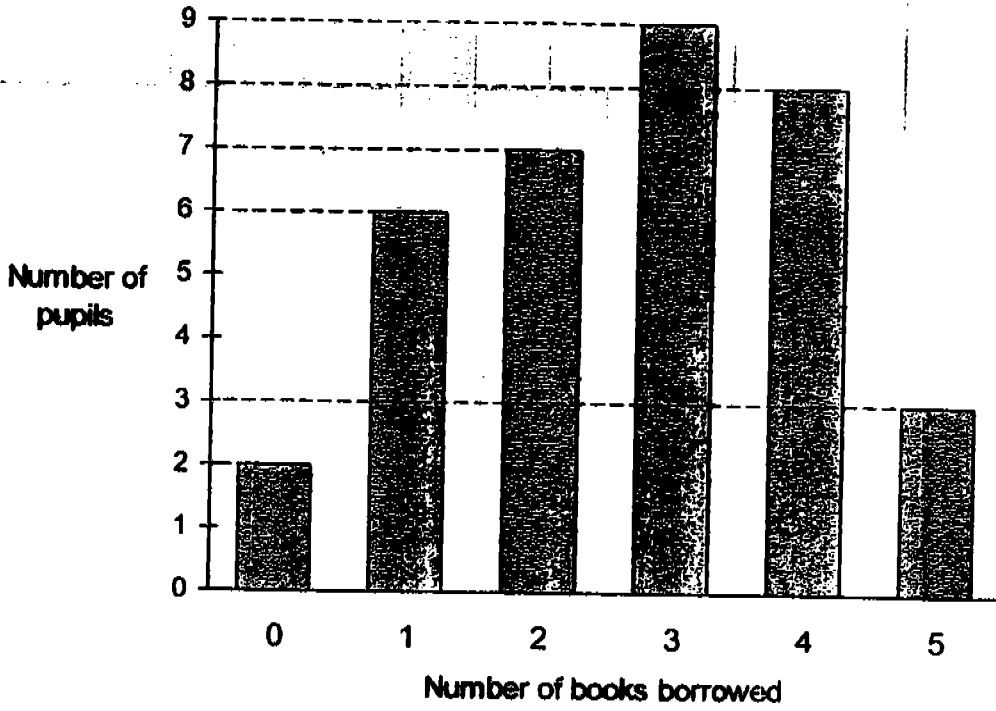
Ans : (a) _____ [2]
(b) _____ [2]

SCORE

(42)

The bar graph shows the number of story books borrowed by the pupils in a class in the month of April.

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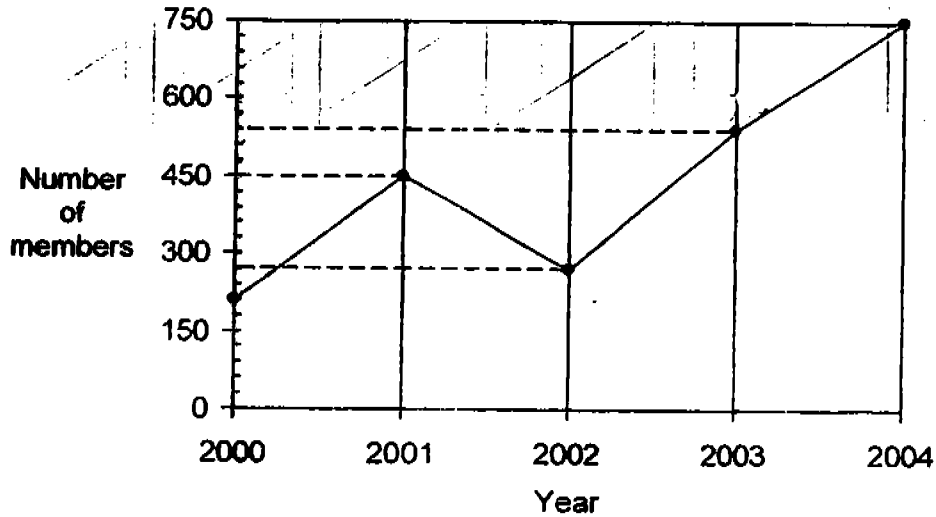
- (a) How many pupils were there in the class?
- (b) How many books did they borrow in that month?
- (c) What fraction of the pupils borrowed at least 3 books? Give your answer in its simplest form.

Ans : (a) _____ [1]
(b) _____ [2]
(c) _____ [1]

SCORE 11

43. The line graph shows the number of members a country club had each year from 2000 to 2004.

Do not write in this space



- (a) How many members did the country club have in 2003?
- (b) Express the decrease in the number of members from 2001 to 2002 as a fraction of the number of members in 2001. Give your answer in its simplest form.

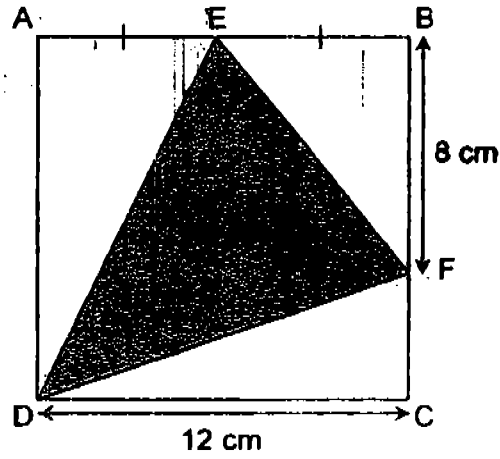
Ans : (a) _____ [1]

(b) _____ [2]

SCORE

44. The diagram below is made up of a square, ABCD, and a triangle, DEF.

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Find the area of the shaded triangle.

Ans : _____ [4]

SCORE

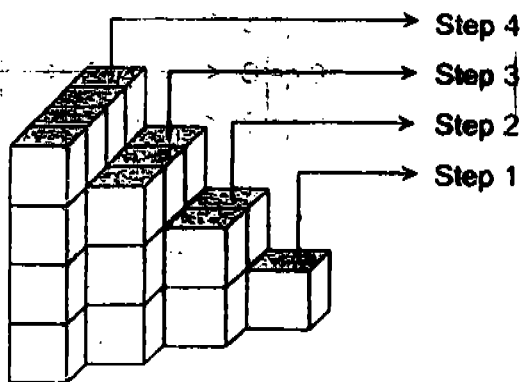
45. Serena, Enhui and Rosiah shared their collection of beads. Serena received $\frac{1}{4}$ of the beads. Enhui and Rosiah shared the remaining beads between themselves in the ratio of 7 : 5. If Enhui received 36 beads more than Serena, how many beads did they have in their collection?

Ans : _____ [4]

SCORE

46. Study the solid figure below.

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- (a) How many unit cubes are needed to build the solid figure shown?
- (b) More steps are added to the solid.
Complete the table below. [2]

Steps	1	2	3	4	5	
Number of unit cubes	1	4	9	16		

- (c) Find the number of steps if 324 cubes are used.

Ans : (a) _____ [1]

(c) _____ [2]

47. Refer to Booklet K.

48. Refer to Booklet K.

Set by : Ms Goh Li Li
Vetted by: PS Maths Committee Teachers

End of Booklet B

SCORE

PEI CHUN PUBLIC SCHOOL
SEMESTRAL ASSESSMENT 1 - 2005
MATHEMATICS
PRIMARY 5

SA1

- 1) 4
2) 3
3) 1
4) 2
5) 1
6) 3
7) 1
8) 2
9) 2
10) 4
11) 1
12) 4
13) 4
16) Two million foty-five thousand and thirteen.
17) $\frac{3}{40}$
18) 12
19) 74568
20) 21 : 12: 20
21) 26
22)
23) 45
24) 8 unit cubes
25) 147
26) 238 people
27) 5.04 litres
28) 19 pens
29) The mosque
30)
31) 160 green beads
32)
36) 105 cards
37) 150 pages
38) 28 stamps
39) 255 g
40) a) \$ 44.70 b) \$ 55.30
41) a) 176 m b) 780 m^2
42) a) 35 pupils b) 94 books
 c) $\frac{4}{7}$
43) a) 540 b) $\frac{2}{5}$
44) 60 cm^2
45) 192 beads
46) a) 30
 b) 25 100
 c) The number of steps is 18