NAN HUA PRIMARY SCHOOL
PRIMARY THREE SEMESTRAL ASSESSMENT 2 2009
MATHEMATICS

Time :   1 h 45 min

INSTRUCTIONS TO CANDIDATES

1. Write your name, register number and class in the blanks provided.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Write your answers in this booklet.

Marks Obtained

Section A & B		/ 80
Section C		/ 20
Total		/ 100

Name : _____ (   )

Class :   P 3 _____

Date :   27 October 2009   Parent's Signature : _____

Section A (20 × 2 marks)

For each question, 4 options are given, only one of them is correct.
Make your choice (1, 2, 3 or 4) and shade the correct oval in the optical answer sheet (OAS).

1) In which one of the following numbers does the digit '7' have the greatest value?

   (1)   7 153

   (2)   5 371

   (3)   3 715

   (4)   1 537   (   )

2) 4 hundreds less than 7 984 is _____ .

   (1)   7 980

   (2)   7 944

   (3)   7 584

   (4)   3 984   (   )

3) 8 + 8 + 8 is the same as _____ .

   (1)   888

   (2)   38

   (3)   3 × 8

   (4)   8 × 8 × 8   (   )

4) Which one of the following is the **greatest** number ?

   (1)   7 437

   (2)   3 469

   (3)   1 285

   (4)   9 003

                (   )

5) Which one of the fractions is **equivalent** to $\frac{1}{2}$?

   (1) $\frac{4}{6}$

   (2) $\frac{6}{8}$

   (3) $\frac{3}{9}$

   (4) $\frac{5}{10}$

                (   )

6) Which one of the following has the **smallest** value ?

   (1)   20 five-cent coins

   (2)   16 ten-cent coins

   (3)   9 twenty-cent coins

   (4)   3 fifty-cent coins

                (   )

7) Fourteen dollars and thirty cents written in cents is _____ ¢ .

   (1)   1 403
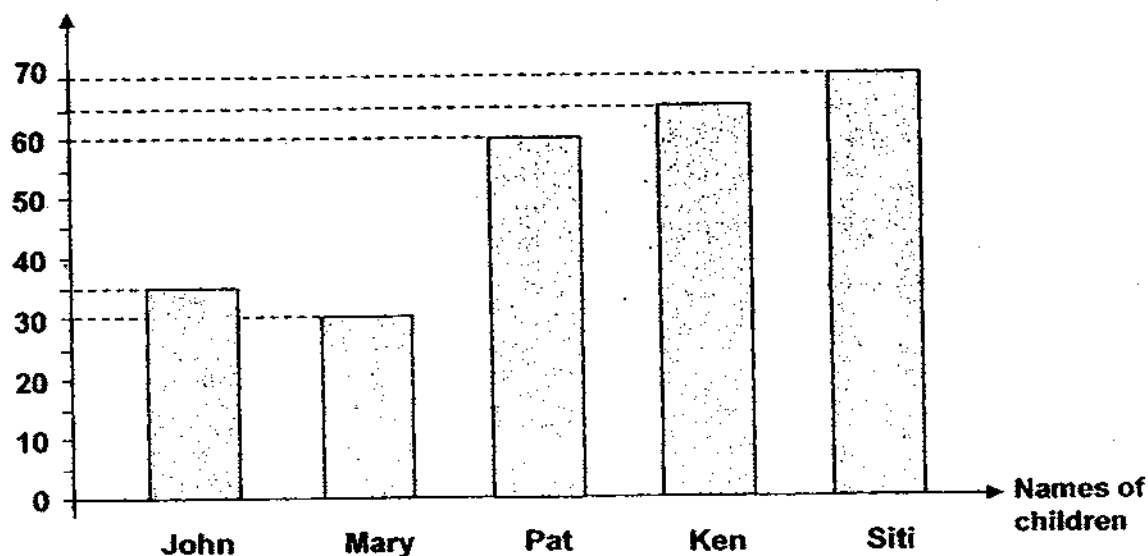
   (2)   1 430

   (3)   4 003

   (4)   4 030

                (   )

The bar graph below shows the number of seashells collected by 5 children. Study the graph carefully and answer questions 8 and 9.

Number of Seashells Collected

8) How many seashells must Ken give John so that both of them have the same number of seashells?

(1) 15

(2) 25

(3) 50

(4) 85   (   )

9) _____ has twice as many seashells as _____.

(1) Ken, Mary

(2) Pat, John

(3) Siti, John

(4) Mary, Pat   (   )

4

10) The sum of two 2 numbers is 4 690.
If one of the numbers is 1 752, find the other number.

① 6 442

② 3 221

③ 2 938

④ 1 186

( )

11) A number when divided by 7 gives a quotient of 47 and a remainder of 3.
What is the number?

① 308

② 329

③ 332

④ 350

( )

12) 3 boxes of strawberries cost $15.
How much will 9 such boxes of strawberries cost ?

(1) $135

(2) $45

(3) $12

(4) $5

( )

13) Susan and Ted had $20 altogether.
Susan had $8 more than Ted.
How much money did Susan have?

(1) $14

(2) $12

(3) $6

(4) $4   (   )

14) Rope A is 45 cm shorter than Rope B.
If Rope A is 85 cm, what is their total length?

(1) 40 cm

(2) 130 cm

(3) 175 cm

(4) 215 cm   (   )

15) Alex is 155 cm tall.
Raymond is 20 cm shorter than Alex but 12 cm taller than Richard.
How tall is Richard?

(1) 187 cm

(2) 163 cm

(3) 147 cm

(4) 123 cm   (   )

16) Express 2 h 5 min in minutes.

    (1)   250 min

    (2)   205 min

    (3)   170 min

    (4)   125 min   (   )
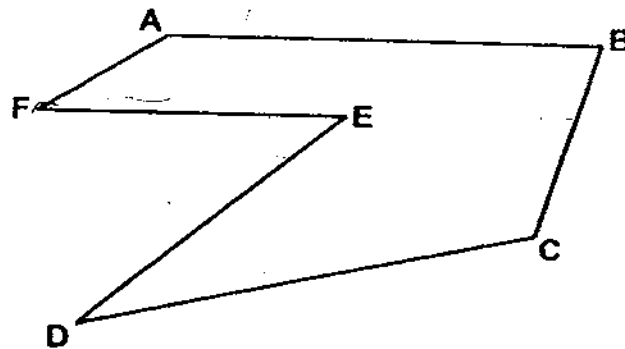
17) Raja was watching a television programme which started at 15 min to 5. The programme lasted only half an hour. What time did it end?

    (1)   4.15 pm

    (2)   4.45 pm

    (3)   5.15 pm

    (4)   5.45 pm   (   )

18) Which of the following pairs of lines are parallel ?

    (1)   AF and BC

    (2)   AB and FE

    (3)   DE and CB

    (4)   DC and FE   (   )

19) A girl spent $\frac{2}{9}$ of her money on books and $\frac{1}{3}$ of her money on a dress.

What fraction of her money was left?

(1) $\frac{1}{6}$

(2) $\frac{1}{9}$

(3) $\frac{4}{9}$

(4) $\frac{5}{9}$ (   )

20) Mohan had just enough money to buy 5 files. However he bought only 3 files and had $4 left. How much money did he have at first ?

(1) $ 20
(2) $ 2
(3) $ 10
(4) $ 4   (   )

Section B (20 × 2 marks)

For each question, show your working clearly in the space below and write your answer in the box provided. Give your answer in the unit stated.

21) In 3 684, the digit _____ is in the <u>hundreds place</u>.

22) <u>Write in numerals</u>.

Seven thousand, two hundred and forty.

23) How many <u>threes</u> are there in 27 ?

24) Mrs Ong bought a cake and cut it into 8 equal pieces.

2 children were given 3 pieces each. What fraction of the cake was left ?

(Express your answer in its lowest term.)

25) 3 ℓ 100 mℓ + 105 mℓ = _____ mℓ

mℓ

26) 4000 + 20 + 9 = _____

What is the missing number?

The bar graph below shows the mass of 5 pupils.
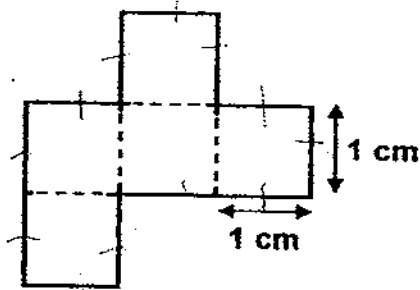Study the graph carefully and answer question 27.

Mass (kg)
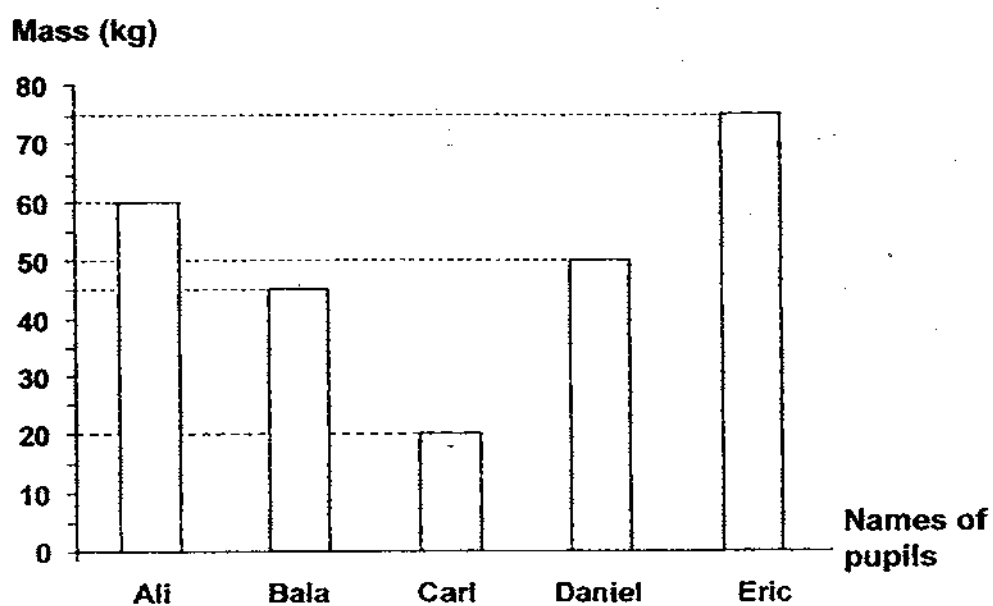
27) What is the **difference** in the mass between the lightest and heaviest pupil?

kg

28) What is the remainder when 542 is divided by 6?

29) The figure is made up of five identical squares, each of side 1 cm.
What is the perimeter of the figure?

1 cm

1 cm

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┌──────────────┐
│              │ cm
└──────────────┘
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30) A tank contained 3 ℓ 800 mℓ of water. Devi used a jug to scoop some water out of the tank. The capacity of the jug is 500 mℓ. If Devi scooped 3 jugfuls of water from the tank, how much water was left in the tank?

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┌──────────────┐
│              │ mℓ
└──────────────┘
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31) What is the missing digit in the box?

$$1 \quad \boxed{?} \quad 9$$

X   4

_____

5   1   6

_____

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┌──────────────┐
│              │
└──────────────┘
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32) A tuition lesson started at 2.15 p.m. The lesson lasted 2 h 15 min.
At what time did the lesson end?

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┌──────────────┐
│              │ p.m.
└──────────────┘
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11

33) There were 18 rows of chairs in an examination hall. There were 7 chairs in a row. Only 2 chairs were <u>not</u> occupied. How many pupils were present for the examination on that day?

| | pupils |

34) 145 girls and 98 boys took part in a school performance. They were arranged in rows of 9. How many rows were there altogether?
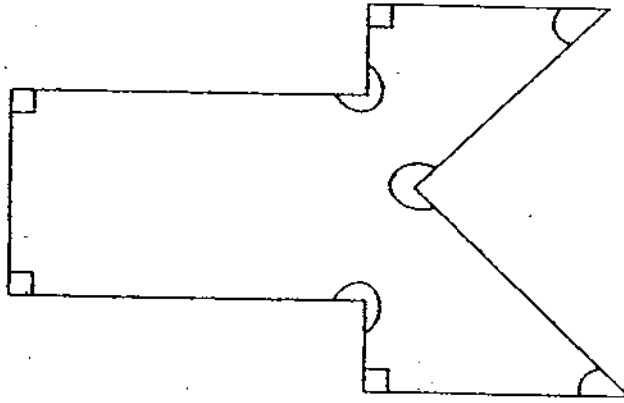
| | rows |

35) The total mass of a box and 4 similar bars of milk chocolate is 980 g. The mass of the empty box is 300 g. What is the mass of 1 bar of chocolate ?
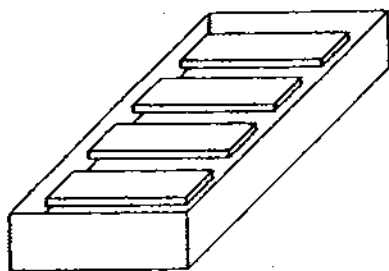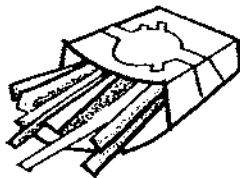
| | g |

36) How many angles **inside** the figure shown below are <u>greater than a right angle</u> ?

37) John wants to spend exactly $10 on two of the items below.
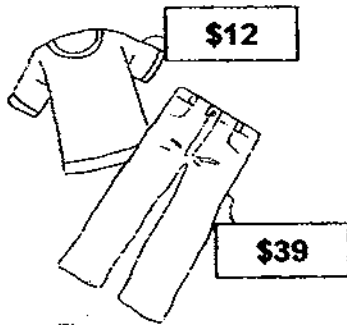Which are the 2 items he should buy?

fries	burger	cake	pizza
$ 3.80	$ 3.60	$ 7.20	$ 6.40

[_____] and [_____]

38) How much did Mr Tan pay for 2 T-shirts and a pair of trousers ?

$12

$39

$ [ ]

39) Study the figure below.
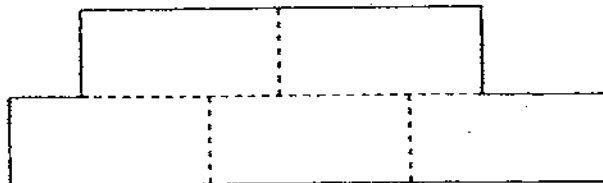

4 sticks

7 sticks

10 sticks

Figure 1

Figure 2

Figure 3 ....

How many sticks are required to form **Figure 5** ?

[ ] sticks

40) The figure shown below is made up of five similar rectangles 12 cm by 6 cm.
Find the perimeter of the figure.

[ ] cm

14

Answer all the questions.
All number statements, sentences and workings must be clearly shown.

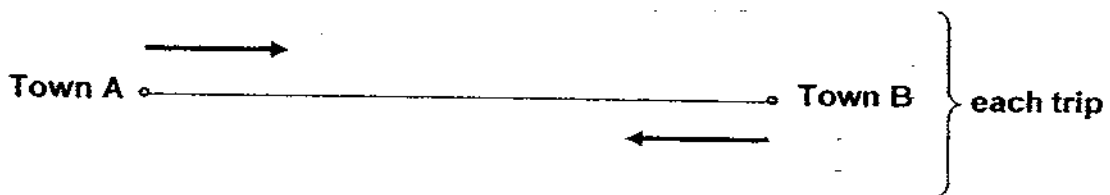41) Benjamin and John saved a total of $82.
John saved $38.
How much more did Benjamin save than John?

42) Mr. Tan makes a trip from Town A to Town B and back again to Town A.
The distance from Town A to Town B is 32 km.
He completes 3 such trips each day.
What is the total distance that Mr Tan travels each day?

Town A ○———————————————○ Town B } each trip

43) Edward had 55 stickers.

Alan had 33 stickers less than Edward.

Nancy had twice as many stickers as the number of stickers Alan had.

How many stickers did Nancy have ?

44) Chicken pies were sold in boxes of 8 pies per box.

Mrs Mohan wanted to give 2 chicken pies to each of her 42 pupils.

What is the minimum number of boxes of chicken pies Mrs Mohan must get?
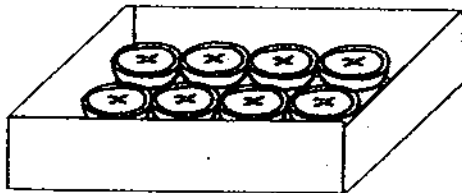
45) A rectangular garden is 10 m by 9 m.

A mini pond of size 14 m² is in the garden.

The rest of the garden is covered with grass.

Find the area of the garden that is covered with grass.

(The figure is not drawn to scale.)

10 m

14 m²
pond

9 m
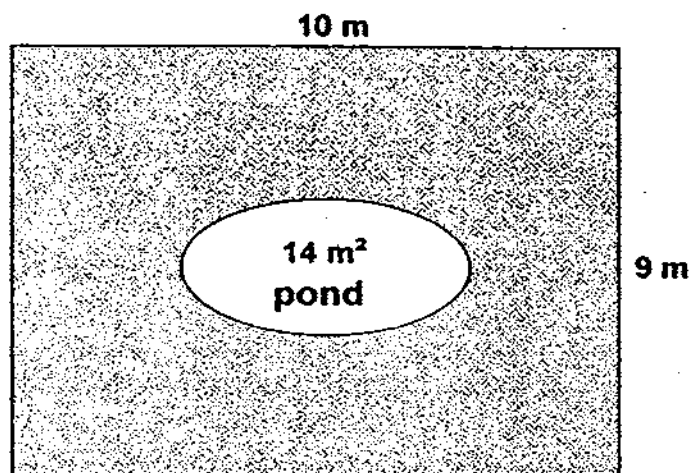
EXAM PAPER 2009

SCHOOL : NAN HUA PRIMARY
SUBJECT : PRIMARY 3 MATHEMATICS

TERM : SA2

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

Q18	Q19	Q20	Q21	Q22	Q23	Q24	Q25	Q26	Q27	Q28	Q29	Q30	Q31
2	3	3	6	7240	9	¼	3205	4029	59	2	12	2300	2

32)4.30 p.m.   33)124   34)27 rows   35)170g   36)3

37)burger and pizza   38)$63   39)16 sticks   40)96cm

41)$82-$38=$44
   $44-$38=$6
Benjamin save $6 more than John.

42)32km x 3=96km
   96 x 2=192
The total distance he travels each day is 192km.

43)55-33=22
   22 x 2=44
Nancy has 44 stickers.

44)42 x 2=84
   84÷8=10R4
   ≈11
1 must 11 boxes.

45)10 x 9=90
   90-14=76
The area of the garden covered with grass is 76cm2