NAN HUA PRIMARY SCHOOL
CONTINUAL ASSESSMENT 2 – 2008
PRIMARY 5

MATHEMATICS

Paper 1

Section A: 15 Multiple Choice Questions (20 marks)

Section B: 10 Questions (20 marks)

Total Time for Paper 1: 50 minutes

Total Time for Paper 2: 1 hour 40 minutes

INSTRUCTIONS TO CANDIDATES

1. Write your name and index number in the space provided.
2. Do not turn over the page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Shade your answers in the Optical Answer Sheet (OAS) provided for Questions 1-15.
6. You are not allowed to use the calculator for Paper 1.

Marks Obtained

Paper 1		/ 40
Paper 2		/ 60
Total		/ 100

Name : _____ (   )

Class : _____

Date :19 August 2008   Parent's Signature :_____

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) and shade on the oval (1, 2, 3 or 4) on the

Optical Answer Sheet.

1.   In 2 345 098, the digit 4 is in the _____ place.

    (1)   hundreds
    (2)   thousands
    (3)   ten thousands
    (4)   hundred thousands

2.   In 345.62, the digit _____ is in the hundredths place.

    (1)   6
    (2)   2
    (3)   3
    (4)   4

3.   Find the value of $38 - 32 \div 2 + 3 \times 6$.

    (1)   4
    (2)   34
    (3)   36
    (4)   40

4.   May has some eggs. She can pack all of them equally into trays of 6 or 10. What is the **smallest** possible number of eggs May has?
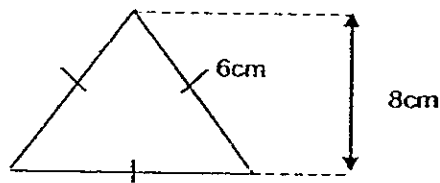
    (1)   16
    (2)   30
    (3)   60
    (4)   160

5. There are 3 boys to every 5 girls. What is the ratio of the number of girls to the total number of children?

   (1) 3 : 5
   (2) 5 : 3
   (3) 3 : 8
   (4) 5 : 8

6. Express 0.9 ℓ in millitres.

   (1) 9 $m\ell$
   (2) 90 $m\ell$
   (3) 900 $m\ell$
   (4) 9000 $m\ell$

7. Express 1.5 as a percentage.

   (1) 1.5%
   (2) 15%
   (3) 150%
   (4) 1500%

8. Charlotte saves 50¢ in 2 days. How much will she save in 10 days?

   (1) $0.25
   (2) $2.00
   (3) $2.50
   (4) $10.00

9. What is the length of a cube if its volume is 64 cm³ ?

   (1) 4 cm
   (2) 8 cm
   (3) 16 cm
   (4) 32 cm

10.   How many 3-cm cubes can be put into a container 4 cm by 9 cm by 10 cm?

    (1)   120
    (2)   40
    (3)   9
    (4)   7

11.   Find the area of the triangle below.

    (1)   96 cm²
    (2)   48 cm²
    (3)   24 cm²
    (4)   12 cm²

12.   Gwen's total score for three tests is 255. If one of her scores is 86, what are the other two possible scores?

    (1)   82 and 87
    (2)   84 and 86
    (3)   85 and 85
    (4)   81 and 90

13.   9 out of every 15 children in class 2B are in art club. What percentage of the children is not in art club?

    (1)   30%
    (2)   40%
    (3)   60%
    (4)   70%

14. Grapes are sold at $0.50 per 100 g at the supermarket. What is the price of 1 kg of grapes?

    (1) $2.00
    (2) $5.00
    (3) $20.00
    (4) $50.00

15. In a school choir, $\frac{3}{8}$ of the members are boys. What percentage of the members are girls?

    (1)   12.5%
    (2)   37.5%
    (3)   62.5%
    (4)   87.5%

Section B (20 marks)

Questions 16 to 25 carry 1 mark each. Questions 26 to 30 carry 2 marks each. For each question from 26 to 30, **show your workings clearly in the space below it** and **write your answer in the space provided**. Give your answers in the units stated.

16. Round off 25 hundreds to the nearest thousand.

Ans: _____

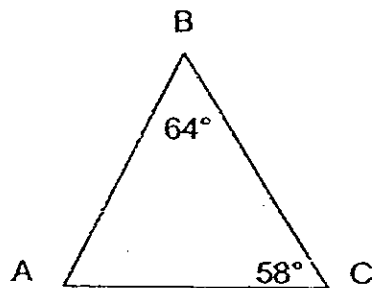17. 10 rolls of paper towels cost $7.70. Find the price of one roll of towel.

Ans: $ _____

4

18. The base of a triangle is 12.5 cm and the height is 8 cm. What is the area of the triangle?

Ans: _____cm²

19. Mike's income is $\frac{2}{3}$ of Joan's. What is the ratio of Joan's income to Mike's?

Ans : _____

20. What is the value of angle BAC?

Ans: _____ °

21. Express $\frac{7}{25}$ as a percentage.

Ans:_____ %

22. Express 4.05 kg in kg and g.

Ans :_____ kg _____ g

23. Express $4\frac{3}{5}$ min in minutes and seconds.

Ans: _____ min _____ s

24. Express 80 ¢ as a ratio of $1 in the simplest form.

Ans: _____

25. There are 4000 employees in a factory. 75% of them are female. How many female employees are there?

Ans: _____

26. There are 12 books and 5 comics on a shelf. How many comics must be added so that the ratio of the number of books to the number of comics is 3 : 2?

Ans : _____

27. Alice and Ben donated some money to charity in the ratio of 4 : 9. If Alice donated $36, what was the total amount they donated?
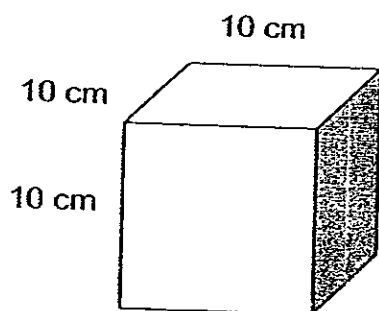
Ans: $ _____

28. The perimeter of a square is 1 m. What is its area?
Give your answer as a fraction in the simplest form.

Ans : _____

29. There are 400 people in a concert. 36% of them are men.
How many women are there?

Ans : _____

30. What is the smallest number of cuts needed to cut a 10 cm by 10 cm by
10 cm block of wood in 1-cm cubes?

10 cm

10 cm

10 cm

Ans : _____

End-of-Paper 1

8

NAN HUA PRIMARY SCHOOL
CONTINUAL ASSESSMENT 2 – 2008
PRIMARY 5

MATHEMATICS

Paper 2

Total Time for Paper 2 : 1 hour 40 minutes

INSTRUCTIONS TO CANDIDATES

1. Write your name and index number in the space provided.
2. Do not turn over the page until you are told to do so.
3. Follow all instructions carefully
4. Answer all questions and show your workings clearly.
5. You may use a calculator.

Marks Obtained

Total		/ 60

Name : _____(   )

Class : _____

Date :19 August 2008   Parent's Signature :_____

Paper 2 (60 marks)

Questions 1 to 5 carry 2 marks each. Show your workings clearly in the space below it and write your answer in the space provided. Give your answers in the units stated.

1. 10 cans of baked beans weigh 3.75 kg. What is the mass of 18 such cans of baked beans? Give your answer correct to 1 decimal place.

Ans : _____ kg

2   What is 20% of 2 ℓ 4 mℓ ? Give your answer to the nearest millimetre. millilitre

Ans : _____ mℓ

3. If $\frac{3}{4}$ of a number is 27, what is twice the number?

Ans: _____

4. Janice spent 35% of her money and saved the remaining $1300. How much did she spend?

Ans: $_____

5   Complete the number sequence.

2, 8, 20, 38, _____

Ans:_____

1

For each question from 6 to 18, **show your workings** clearly in the space below it 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.
Remember to include the units wherever possible.

6. Mrs Lee saves $50000 in a bank which pays 7% interest per year. How much would she have in the bank after 1 year?

Ans: _____ [3]

7. The savings of Xavier, Yvonne and Zoe per month is in the ratio of 5 : 4 : 3. If their total savings is $ 150, how much does Yvonne save each month?
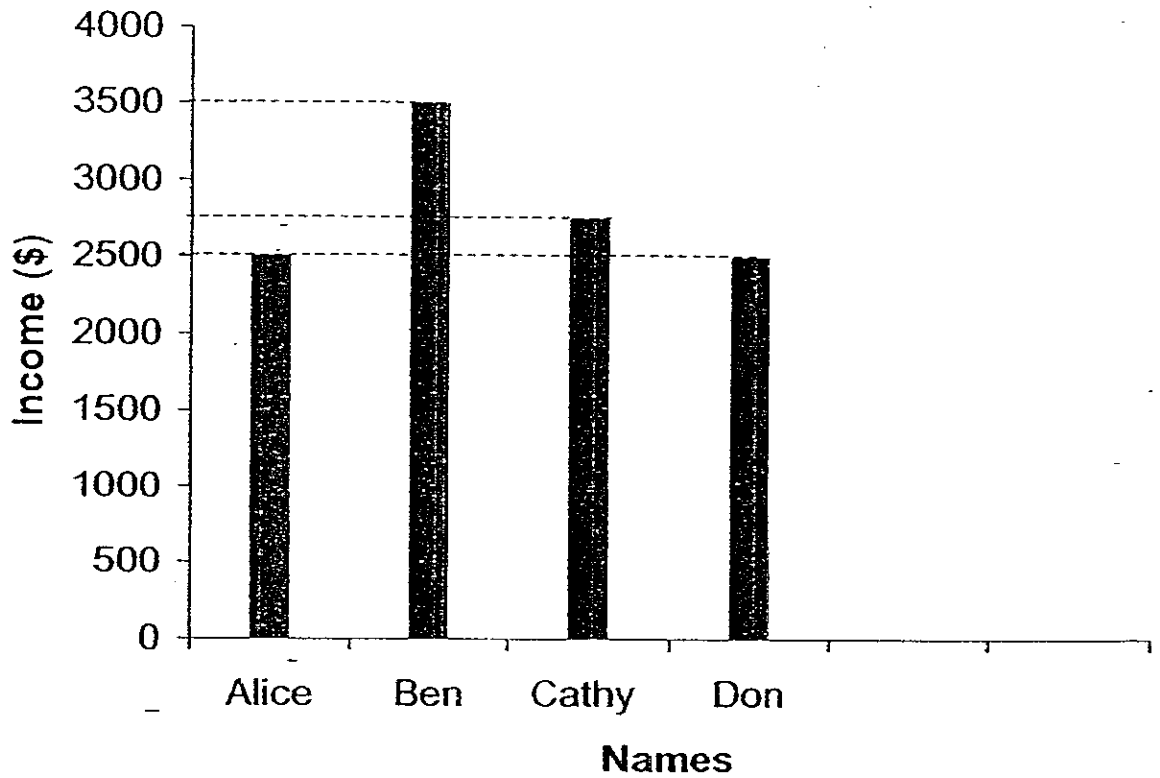
Ans _____ [3]

8. The number of red pens is 25% of blue pens.
   The number of blue pens is 50% of the total number of red and green pens.
   What percentage of the pens is green? Give your answer correct to 1 decimal place.

Ans _____ [3]

2

Use the information below to answer questions 9 and 10

Monthly Income of 4 People

9. What was Cathy's income as a percentage of Ben's income?
   (Round off to 1 decimal place)

   Ans_____[3]

10. If Don's income increased by 20%, what would be the difference between his
    income and Alice's?

    Ans: _____[3]

3

11.

Item	Price per item				
A	$	5	.	6	6
B	$	5	.	6	6
C	$	6	.	4	9

Rearrange the digits in the prices on the menu such that
- all items become more expensive than the original price
- all items cost more than $6 but less than $7
- item B costs more than item A
- item C costs more than item B

Ans: (A)_____[1]

Ans: (B)_____[1]

Ans: (C) _____[1]

12.   3.74 kg of flour are put into packets of 50 g.

a.   How many 50 g packets are there?
b.   How much flour is left in grams?
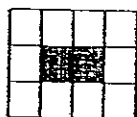
Ans: (a)_____[2]

Ans: (b)_____[2]

4

13. The usual price of a table was $100.80. At a sale, it was sold at a discount of 25%.

   (a)   How much was the discount?

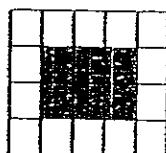   (b)   How much did the table cost at the sale?

Ans: (a)_____[2]

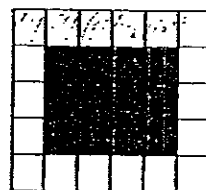Ans: (b)_____[2]

14. Jean formed rectangles using black and white tiles according to a certain rule.

     1st Rectangle   2nd Rectangle   3rd Rectangle

Complete the table below.

Rectangles	Number of white tiles	Number of black tiles
1st	10	2
2nd	14	6
3rd	18	12
4th	_____[1]	_____[1]
10th	_____[1]	_____[1]

5

15. The cost of a toy car is 80% of a game set. The game set costs $48. A doll costs half as much as the toy car. Find the total cost of the three items, correct to the nearest dollar.

Ans _____ [5]

16   $\frac{1}{5}$ of Jan's savings was equal to $\frac{1}{3}$ of Zen's savings. When Zen increased his savings by $27.50 and Jan spent $29.40, they had equal amount of money.

How much did Jan have at first?

Ans: _____ [5]

17   Grace gave $\frac{1}{5}$ of her stickers to Jack.

Jack gave $\frac{1}{4}$ of his stickers to Helen.

As a result, they had 120 stickers each.

(a) How many stickers did Helen have at first?

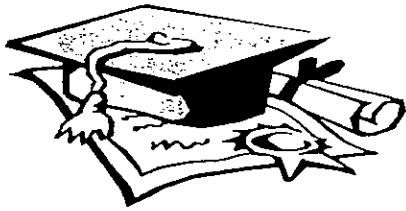(b) How many stickers did Jack have at first?

Ans: (a)_____[2]

Ans: (b)_____[3]

18. To motivate her son to study mathematics, Mrs Mani agreed to reward her son 50 cents for every problem solved correctly and to fine him 35 cents for each incorrect solution. At the end of 17 problems, neither owed anything to the other. How many problems did her son solve correctly?

Ans:_____[5]

End-of-Paper 2

ANSWER SHEET

SCHOOL : NAN HUA PRIMARY SCHOOL
SUBJECT : PRIMARY 5 MATHEMATICS

TERM : CA 2

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

16)3000   17)$0.77   18)50cm$_2$ 19)3:2

20)58°   21)28%   22)4kg 50g   23)4min 36s

24)4:5   25)3000   26)3   27)$117

28)1/16   29)256   30)27

Paper 2

1)6.8kg   2)≈401   3)72   4)$700

5)62   6)$53500   7)$50   8)58.3%

9)78.6%   10)$500   11)a)$6.56   b)$6.65   c)$6.94

12)a)74   b)40g   13)a)$25.20   b)$76.60

14)4th =22, 20   15)$106   16)$142.25
    10th=46, 110

17)a)80   18)7
    b)130